Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Provincial Environment And Natural Resources Office

July 12, 2022

FOR : The Regional Executive Director
MIMAROPA Region

THRU : The ARD, Technical Services Division

FROM : The OIC, PENR Officer

SUBJECT : **QUARTERLY REPORT ON THE WATERSHED CHARACTERIZATION AND VULNERABILITY ASSESSMENT (CRVA) OF AMNAY-PATRICK WATERSHED**

Respectfully forwarded is the Memorandum dated July 4, 2022 of CENRO Sablayan regarding the above-mentioned subject. This report is a product of concerted efforts done by Personnel and Staff of CENRO Sablayan Conservation and Development Section (CDS) on various target activities based on the approved CY 2022 Work and Financial Plan(WFP).

Attached are summary report of different activities conducted, forwarded communication letters, GIS generated maps and consolidated documents of fieldworks' results. Likewise, other documents available as Means of Verifications (MOVs) for Amnay-Patrick Watershed Characterization and Vulnerability Assessment can be accessed through electronic copies(https://bit.ly/CSby-CDS-WCBA).

For your information and evaluation.

ERNESTO E. TAÑADA

Tsd_cds 7/12/2022
Copy furnished:
1. *Planning Section*
2. *File*

So. Pag-asa, Brgy. Payompon,
Mamburao, Occidental Mindoro
Email : tsdoccmiun042@gmail.com

Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

July 4, 2022

MEMORANDUM

RECORDED
Date: 7-4-22
By:

FOR : The OIC, PENR Officer

THRU : The Chief, Technical Services Division

The Planning Officer

FROM : The CENR Officer

SUBJECT : **QUARTERLY REPORT ON THE WATERSHED CHARACTERIZATION AND VULNERABILITY ASSESSMENT (CRVA) OF AMNAY-PATRICK WATERSHED**

Respectfully forwarded is the Quarterly Report of the Conservation and Development Section (CDS) on the different activities based on the approved CY 2022 Work and Financial Plan (WFP).

The following activities were conducted this quarter;

A. Communication letters sent to other Government Agencies regarding the different activities to be undertaken by their offices,

B. Conducted interviews for the Vulnerability Assessment within Barangays Claudio Salgado, Ilvita, Pinagturilan, Victoria, Sablayan, Occidental Mindoro and Brgys. Casague, Lumangbayan, Sta. Cruz, Occidental Mindoro.

C. Updated GIS generated maps, conduct of Biodiversity Assessment Monitoring and Coastal vulnerability assessment (Interview and beach profiling) .

Considering the bulk volume of documents to be attached, kindly visit the link in order to access the electronic copies of our Means of Verifications (MOVs) for Amnay-Patrick Watershed Characterization and Vulnerability Assessment *(https://bit.ly/CSby-CDS-WCVA)*.

For your information, record and evaluation.

CDS
RECEIVED BY:
DATE: 7/11 TIME:
RELEASED BY:
DATE: TIME:

RECORDS
RECEIVED BY:
DATE: 7/7 TIME:

RECORDS
1030-5
07-07-22
TIME 03:49

FOR. ANASTACIO A. SANTOS, MPA

TSD
SBY 1-6
RECEIVED BY: HJ
DATE: 7-8-22
TIME: 1:41

National Road, Brgy.Sto. Niño, Sablayan, Occidental Mindoro
E-mail: cenrosablayan@denr.gov.ph

Republic e Philippines
Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

July 1, 2022

MEMORANDUM

FOR : The CENR Officer

THRU : The Deputy CENR Officer

FROM : The Chief, Conservation and Development Section

SUBJECT : **QUARTERLY REPORT FOR THE WATERSHED CHARACTERIZATION AND VULNERABILITY ASSESSMENT (CRVA) OF AMNAY-PATRICK WATERSHED**

Please be informed that the Conservation and Development Section (CDS) has conducted different activities and gathered secondary data that are needed for the accomplishment of the said activity. Here are the following activities, correspondences sent and data gathered from different stakeholders:

1. **Communication letters to other Government Agencies;**
   a. Letter to Engr. Arnel V. De Mesa, CESO III, Regional Executive Director of Department of Agriculture-CALABARZON for the delivery of fifty-six (56) soil samples together with their reply and request for quotation,
   b. Communication from the DA-R4A-BSWM regarding the quotation for the analysis of soil samples, and
   c. Soil analysis result.

2. **Updated GIS generated maps**
   a. Infrastructure map,
   b. Climatic type,
   c. Geology map,
   d. Project map,
   e. Seismicity map,
   f. Settlement map,
   g. Soil erosion susceptibility map,
   h. Soil series map, and
   i. Tenurial map.

3. **Interviews for the Adaptive Capacities for**
   a. Brgy. Claudio Salgado, Sablayan, Occidental Mindoro
   b. Brgy. Ilvita, Sablayan, Occidental Mindoro
   c. Brgy. Pinagturilan, Sta. Cruz, Occidental Mindoro
   d. Brgy. Casague, Sta. Cruz, Occidental Mindoro
   e. Brgy. Lumang Bayan, Sta. Cruz,Occidental Mindoro
   f. Brgy. Victoria, Sablayan, Occidental Mindoro

4. **Biodiversity Assessment Monitoring at So. Mayba, Brgy. Pag-asa, Sablayan, Occidental Mindoro**

5. **Attendance to the Coastal Vulnerability Training last June 21-24, 2022 at MPMPC, Mamburao, Occidental Mindoro**
   a. Attended the training for Costal Vulnerability Assessment conducted by the Ecosystems Research Development Bureau (ERBD) that was participated by representatives from all the CENR and PENR Offices with some attended via zoom application.
   b. Conducted the beach profiling activity at Brgy. Claudio Salgado, Sablayan, Occidental Mindoro the activity was conducted last June 28- July 1, 2022.

Currently, the team is in the process of consolidating/ checking all the data gathered if all primary and secondary date have been gathered correctly.

The electronic copies of our Means of Verifications (MOVs) may be accessed through this link: *bit.ly/CSby-CDS-WCVA*. This was done to minimize the bulk of papers that would have been used as attachments.

For your information, record.

ALVIN E. SANICO

Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

April 6, 2022

ENGR. ARNEL V. DE MESA, CESO III
Regional Executive Director
Department of Agriculture- CALABARZON
Marauoy, Lipa City, Batangas

THRU: **MS. NORA L. TALAIN, RCh**
Chief, Regional Soils Laboratory IV-A

Dear **Director De Mesa,**

Greetings of Peace!

This pertains to our request letter sent via email on February 8, 2022 for soil analysis on the samples to be collected within Amnay-Patrick Watershed as part of the different activities that will be conducted for Watershed Characterization and Vulnerability Assessment.

In this regard, our team has collected soil samples in twenty-eight (28) sampling sites that represents different depth range *(A= 0-30 cm, B= 31-60 cm)*. All the soil samples collected have been air dried right after its collection within a confined room making sure that the said samples will not be contaminated which may affect the result of soil analysis.

Finally, we are forwarding herewith the fifty-six (56) soil samples gathered from the twenty-eight (28) soil sampling sites for soil analysis using the parameters indicated in your letter dated February 9, 2022.

For queries and other concerns, kindly contact us at cenrosablayan.cds@gmail.com or thru Mr. Alvin E. Sanico at +63917-301-1615.

Thank you very much and more power!

Very truly yours,

RECEIVED – RSL 4A
Date: May 12, 2022
By: Isabella

FOR. ANASTACIO A. SANTOS, MPA
CENR Officer

National Road, Brgy. Sto. Nino, Sablayan, Occidental Mindoro
E-mail: cenrosablayan@denr.gov.ph

BARANGAY	LOCATION (GPS reading)	SAMPLING SITE NUMBER
San Francisco	51P 27112 1426164	1A
		1B
San Francisco	51P 271090 1426182	2A
		2B
Paetan	51P 265814 1427764	3A
		3B
Paetan	51P 265756 14227866	4A
		4B
Paetan	51P 265849 1427877	5A
		5B
Paetan	51P 263828 14228082	6A
		6B
Paetan	51P 263731 1427916	7A
		7B
Claudio Salgado	51P 260542 1427871	8A
		8B
Claudio Salgado	51P 260585 1427875	9A
		9B
Claudio Salgado	51P 260586 1427917	10A
		10B
San Agustin	51P 270809 14230288	11A
		11B
San Agustin	51P 270917 1430333	12A
		12B
Pag-asa	51P 273985 1435022	13A
		13B
Pag-asa	51P 273931 1434953	14A
		14B
Pag-asa	51P 273927 1434908	15A
		15B
Pag-asa	51P 271454 1433675	16A
		16B
Pag-asa	51P 271404 1433620	17A
		17B

Pag-asa	51P 26747 1432834	18A
		18B
Pag-asa	51P 267877 1432823	19A
		19B
Pag-asa	51P 271382 1430988	20A
		20B
Pag-asa	51P 271400 1430965	21A
		21B
Claudio Salgado	51P 258907 1432543	22A
		22B
Claudio Salgado	51P 258951 1432585	23A
		23B
Claudio Salgado	51P 259110 1432155	24A
		24B
Claudio Salgado	51P 258967 1432171	25A
		25B
Lagnas	51P 267736 1431694	26A
		26B
Lagnas	51P 267430 1432137	27A
		27B
Lagnas	51P 267313 1431109	28A
		28B

Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY (RSL)
Region IV-A

May 12, 2022

REQUEST FOR QUOTATION

FOR. ANASTACIO A. SANTOS, MPA
DENR - CENRO SABLAYAN
Brgy. Sto Niño, Sablayan, Occ. Mindoro

Dear Sir/Ma'am,

Below is the breakdown of laboratory fees for the analysis of **56 soil samples** you are inquiring:

Parameter	Cost per Analysis (₱)	No. of Samples	Total
Phosphorus	150.00	56	8,400.00
Potassium	150.00	56	8,400.00
Nitrogen/OM	150.00	56	8,400.00
pH	50.00	56	2,800.00
Soil Texture (Feel Method)	200.00	56	11,200.00
Moisture Content	50.00	56	2,800.00
Exchangeable Bases (Ca,Mg,Na, K)	-	-	-
EA	-	-	-
OC%	-	-	-
CEC	-	-	-
(EC) Electrical Conductivity	-	-	-
Water Holding Capacity (WHC)	150.00	56	8,400.00
Trace Elements (Cu, Zn, Mn, Fe)	-	-	-
	TOTAL		**50,400.00**

Check payment maybe settled payable to **NATIONAL TREASURY**.

Thank you.

NORA L. TALAIN
Chief, Regional Soils Laboratory

LARES Compound, Pres. Jose P. Laurel Highway, Marawoy, Lipa City
Telefax No.: (043)0702-1572; e-mail address: rsl@calabarzon.da.gov.ph

Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY (RSL)
Lipa Agricultural Research and Experiment Station (LARES) Compound
Brgy. Marawoy, Lipa City, Batangas 4217

SOIL ANALYSIS REQUEST FORM

CUSTOMER INFORMATION

Customer	:	DENR MIMAROPA- Community Environment and Natural Resources Office	Sampled by	:	DENR
Address	:	Brgy. Sto. Niño, Sablayan, Occidental Mindoro	Date sampled	:	March 29- April 1, 2022
Contact No.	:	9173011615	Submitted by	:	Josie R. Corpuz
Email address	:	cenrosablayan.cds@gmail.com	Date submitted	:	May 13, 2022

Mode of Receipt: ☑ Walk-in ☐ Courier ☐ RSL Sampling

SAMPLE INFORMATION

Item No.	Laboratory No.	Sample Code	Sample Description	Site of Farm/Location	Coordinates	Area	Crop	
							Variety	Age
1	S-22-0806	1A	dry soil in ziplock	Brgy. San Francisco, Sablayan		74, 825.98 ha		
2	S-22-0807	1B	dry soil in ziplock	Brgy. San Francisco, Sablayan		74, 825.98 ha		
3	S-22-0808	2A	dry soil in ziplock	Brgy. San Francisco, Sablayan		74, 825.98 ha		
4	S-22-0809	2B	dry soil in ziplock	Brgy. San Francisco, Sablayan		74, 825.98 ha		
5	S-22-0810	3A	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		
6	S-22-0811	3B	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		
7	S-22-0812	4A	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		
8	S-22-0813	4B	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		
9	S-22-0814	5A	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		
10	S-22-0815	5B	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		

Note: Please use additional sheet for additional samples.

Inspected/Received by: I.A. SALAZAR Date/Time: May 13, 2022 8:45 AM

Analysis Requested			Special instructions
☑ Analysis Only	☐ with Fertilizer Recommendation		
☑ pH	☐ E.C.	Trace Elements	
☑ OM	☑ WHC	☐ Cu	
☑ Available P	☐ OC	☐ Zn	
☑ Exchangeable K	Exchangeable	☐ Fe	
☑ Texture	☐ Na	☐ Mn	
☑ Moisture Content	☐ K	☐ STK Analysis	
☐ Exchangeable Acid	☐ Ca		
	☐ Mg		

For questions and follow-ups regarding the analysis, you may contact DA RSL IV-A at (043) 702-1572 or at rsl@calabarzon.da.gov.ph

Kindly present this form together with your official receipt when claiming the test reports.

Routine Parameters	Test Method	Cost, Php	Turnaround Time (TAT), working days
CHEMICAL ANALYSIS			
pH (H_2O, 1:1) @ 25°C	Potentiometric	50	14
Available Phosphorus (Avail. P)	Olsen, UV-Visible spectrophotometry (UV-Vis)	150	14
			14
	Bray 1, UV-Vis		14
Exchangeable Potassium (K)	NH_4OAc, pH 7, Atomic Emission Spectroscopy (AES)	150	14
			14
			14
Organic Matter (OM)	Walkley and Black, UV-Vis	150	14
PHYSICAL ANALYSIS			
Texture (Particle Size)	Bouyoucos Hydrometer Method	200	14
Moisture Content	Gravimetric	50	14
Total		**750**	14
Specialized Parameters			
CHEMICAL ANALYSIS			
Electrical Conductivity (EC)	Conductimetric	100	14
Total Nitrogen (N)	Kjeldahl	150	14
Exchangeable Bases			
Calcium (Ca)	(NH_4OAc), pH 7, AES	100	14
Magnesium (Mg)		100	14
Sodium (Na)		100	14
Potassium (K)		100	14
Exchangeable Acidity (EA)	$BaCl_2$ - TEA Titration	150	14
Cation Exchange Capacity (CEC Direct)	NH_4OAc, pH 7, Distillation - Titration Method, NaOAc, pH 8.2	200	14
Trace Elements			
Copper (Cu)	DTPA-TEA Extraction Atomic Absorption Spectroscopy (AAS)	100	14
Zinc (Zn)		100	14
Manganese (Mn)		100	14
Iron (Fe)		100	14
PHYSICAL ANALYSIS			
Water Holding Capacity (WHC)	Tapping	150	14
Total		**1550**	
Complete Analysis		**2300**	14

Rapid Test with Fertilizer Recommendation, Maximum of 5 crops*	Test	Cost, Php	Turnaround Time (TAT), working days
pH	Soil Test Kit (STK)	100	14
Nitrogen (N)			14
Phosphorus (P)			14
Potassium (K)			14

*Additional Php 50 for every additional crop to be given fertilizer recommendation in excess of the maximum of 5 crops.

Agreed Date of Release of Results: _____
Samples received after 3pm shall be deemed submitted the next official working day.

Total Amount Due: P _____ Official Receipt (OR) No. _____
Deposit : P _____ Date : _____
Balance : P _____

Terms and Conditions

1. Customer is responsible for the adequate amount of samples, accurate labeling, and sufficiency of information and other documents. RSL IV-A is not responsible for the non-acceptance of samples due to improper ha sd
2. Customer will pay in full or at least 50% of the total fees upon receipt of samples. Outstanding balance shall be settled on or before the agreed date of release of results. RSL IV-A may withhold its release if the balance remains unsettled.
3. Sample retention is three (3) months from the date of receipt.
4. Test report shall not be reproduced in full without the written approval and authorization of RSL IV-A.
5. Test report retention is for one (1) year and to be archived for four (4) years.
6. Customer agrees not to use the report or any part of it in any way that may tarnish the reputation of RSL IV-A.

I have reviewed the form, confirmed its accuracy, and accepted the Terms and Conditions.

JOSIE [illegible]

Name and Signature of Customer/Representative

Item No	Laboratory No.	Sample Code	Sample Description	Site of Farm/Location	Coordinates	Area	Crop	
							Variety	Age
11	S-22-0816	6A	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		
12	S-22-0817	6B	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		
13	S-22-0818	7A	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		
14	S-22-0819	7B	dry soil in ziplock	Brgy. Paetan, Sablayan		74, 825.98 ha		
15	S-22-0820	8A	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
16	S-22-0821	8B	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
17	S-22-0822	9A	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
18	S-22-0823	9B	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
19	S-22-0824	10A	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
20	S-22-0825	10B	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
21	S-22-0826	11A	dry soil in ziplock	Brgy. San Agustin, Sablayan		74, 825.98 ha		
22	S-22-0827	11B	dry soil in ziplock	Brgy. San Agustin, Sablayan		74, 825.98 ha		
23	S-22-0828	12A	dry soil in ziplock	Brgy. San Agustin, Sablayan		74, 825.98 ha		
24	S-22-0829	12B	dry soil in ziplock	Brgy. San Agustin, Sablayan		74, 825.98 ha		
25	S-22-0830	13A	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
26	S-22-0831	13B	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
27	S-22-0832	14A	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
28	S-22-0833	14B	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		

Item No	Laboratory No.	Sample Code	Sample Description	Site of Farm/Location	Coordinates	Area	Crop	
							Variety	Age
29	S-22-0834	15A	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
30	S-22-0835	15B	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
31	S-22-0836	16A	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
32	S-22-0837	16B	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
33	S-22-0838	17A	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
34	S-22-0839	17B	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
35	S-22-0840	18A	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
36	S-22-0841	18B	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
37	S-22-0842	19A	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
38	S-22-0843	19B	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
39	S-22-0844	20A	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
40	S-22-0845	20B	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
41	S-22-0846	21A	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
42	S-22-0847	21B	dry soil in ziplock	Brgy. Pag-asa, Sablayan		74, 825.98 ha		
43	S-22-0848	22A	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
44	S-22-0849	22B	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
45	S-22-0850	23A	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
46	S-22-0851	23B	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		

Item No	Laboratory No.	Sample Code	Sample Description	Site of Farm/Location	Coordinates	Area	Crop	
							Variety	Age
47	S-22-0852	24A	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
48	S-22-0853	24B	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
49	S-22-0854	25A	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
50	S-22-0855	25B	dry soil in ziplock	Brgy. Claudio Salgado, Sablayan		74, 825.98 ha		
51	S-22-0856	26A	dry soil in ziplock	Brgy. Lagnas, Sablayan		74, 825.98 ha		
52	S-22-0857	26B	dry soil in ziplock	Brgy. Lagnas, Sablayan		74, 825.98 ha		
53	S-22-0858	27A	dry soil in ziplock	Brgy. Lagnas, Sablayan		74, 825.98 ha		
54	S-22-0859	27B	dry soil in ziplock	Brgy. Lagnas, Sablayan		74, 825.98 ha		
55	S-22-0860	28A	dry soil in ziplock	Brgy. Lagnas, Sablayan		74, 825.98 ha		
56	S-22-0861	28B	dry soil in ziplock	Brgy. Lagnas, Sablayan		74, 825.98 ha		

Gmail CDS S[redacted]an <cenrosablayan.cds@gmail.com>

RESULT OF ANALYSIS

1 message

DA CALABARZON Soils Laboratory <rsl@calabarzon.da.gov.ph>
To: CDS Sablayan <cenrosablayan.cds@gmail.com>

Tue, Jun 28, 2022 at 9:09 AM

Good day!

Please see attached files.
Kindly acknowledge receipt of this email.

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RECEIVED
BY
6-29-22

REGIONAL SOILS LABORATORY IV-A (RSL IV-A)
Department of Agriculture Regional Field Office IV-CALABARZON
Lipa Agricultural Research and Experiment Station (LARES),
Brgy. Marauoy, Lipa City, Batangas
Telefax No.: (043) 702-1572

4 attachments

- **DENR_MIMAROPA_CENRO20220628_08332752.pdf** 376K
- **DENR_MIMAROPA_CENRO20220628_08185341.pdf** 3059K
- **DENR_MIMAROPA_CENRO20220628_08314426.pdf** 3540K
- **DENR_MIMAROPA_CENRO20220628_08490085.pdf** 3766K

Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0742

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. San Francisco, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 27112 1426164
Date Received : May 13, 2022
Date Analyzed : May 23 - June 15, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0806 1A	S-22-0807 1B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Clay Loam	Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.36	6.37
Moisture Content	Gravimetric	4.48 %	5.07 %
Organic Matter	Walkley-Black, UV-Vis	1.584 %	1.455 %
Available Phosphorus	Olsen, UV-Vis	11 ppm	14 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	182 ppm	216 ppm
Water Holding Capacity	Tapping	52 %	51 %

Checked by :

MABELLE G. OBLIANDA, RCh
Chemist III
PRC License No. 0008475
valid until 01/06/2024

Certified by :

NORA L. TALAIN, RCh
Chemist IV
PRC License No. 0007889
valid until 01/07/2025

LARES Compound, Pres. Jose P. Laurel Highway, Marawoy, Lipa City 4217, Batangas
Telefax No.: (043) 702-1572 / e-mail address : rsl@calabarzon.da.gov.ph

Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0743

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. San Francisco, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 271090 1426182
Date Received : May 13, 2022
Date Analyzed : May 23 - June 15, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0808 2A	S-22-0809 2B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Clay Loam	Sandy Clay Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.15	6.13
Moisture Content	Gravimetric	5.24 %	4.55 %
Organic Matter	Walkley-Black, UV-Vis	1.881 %	0.840 %
Available Phosphorus	Olsen, UV-Vis	3 ppm	5 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	233 ppm	136 ppm
Water Holding Capacity	Tapping	55 %	43 %

Checked by :

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Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0744

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Paetan, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 265814 1427764
Date Received : May 13, 2022
Date Analyzed : May 23 - June 15, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No. S-22-0810 3A	Laboratory No. S-22-0811 3B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Loam	Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.96	7.25
Moisture Content	Gravimetric	2.97 %	4.63 %
Organic Matter	Walkley-Black, UV-Vis	2.832 %	1.216 %
Available Phosphorus	Olsen, UV-Vis	1 ppm	5 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	86 ppm	100 ppm
Water Holding Capacity	Tapping	55 %	49 %

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Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0745

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Paetan, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 265756 14227866
Date Received : May 13, 2022
Date Analyzed : May 23 - June 15, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0812 4A	S-22-0813 4B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Loam	Sandy Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.89	6.97
Moisture Content	Gravimetric	4.19 %	3.90 %
Organic Matter	Walkley-Black, UV-Vis	1.769 %	1.561 %
Available Phosphorus	Olsen, UV-Vis	7 ppm	7 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	87 ppm	90 ppm
Water Holding Capacity	Tapping	47 %	41 %

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CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0746

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Paetan, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 265849 1427877
Date Received : May 13, 2022
Date Analyzed : May 23 - June 14, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0814 5A	S-22-0815 5B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Loam	Loam
pH (1:1, w/v) @ 25°C	Potentiometric	7.19	7.39
Moisture Content	Gravimetric	3.26 %	2.68 %
Organic Matter	Walkley-Black, UV-Vis	1.461 %	0.917 %
Available Phosphorus	Olsen, UV-Vis	1 ppm	13 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	39 ppm	29 ppm
Water Holding Capacity	Tapping	51 %	43 %

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CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0747

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Paetan, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 263828 14228082
Date Received : May 13, 2022
Date Analyzed : May 23 - June 14, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0816 6A	S-22-0817 6B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Loamy Sand	Loamy Sand
pH (1:1, w/v) @ 25°C	Potentiometric	7.94	8.16
Moisture Content	Gravimetric	1.59 %	1.76 %
Organic Matter	Walkley-Black, UV-Vis	0.813 %	0.454 %
Available Phosphorus	Olsen, UV-Vis	5 ppm	1 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	33 ppm	18 ppm
Water Holding Capacity	Tapping	31 %	37 %

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Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0748

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Paetan, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 263731 1427916
Date Received : May 13, 2022
Date Analyzed : May 23 - June 16, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No. S-22-0818 7A	Laboratory No. S-22-0819 7B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Loam	Sandy Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.39	7.61
Moisture Content	Gravimetric	3.52 %	2.56 %
Organic Matter	Walkley-Black, UV-Vis	4.713 %	2.280 %
Available Phosphorus	Olsen, UV-Vis	9 ppm	9 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	104 ppm	90 ppm
Water Holding Capacity	Tapping	53 %	43 %

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CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0749

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Claudio Salgado, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 260542 1427871
Date Received : May 13, 2022
Date Analyzed : May 23 - June 15, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No. S-22-0820 8A	Laboratory No. S-22-0821 8B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Loam	Silty Loam
pH (1:1, w/v) @ 25°C	Potentiometric	7.74	7.54
Moisture Content	Gravimetric	1.53 %	2.02 %
Organic Matter	Walkley-Black, UV-Vis	1.081 %	1.454 %
Available Phosphorus	Olsen, UV-Vis	3 ppm	3 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	32 ppm	37 ppm
Water Holding Capacity	Tapping	42 %	47 %

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CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0750

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Claudio Salgado, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 260585 1427875
Date Received : May 13, 2022
Date Analyzed : May 23 - June 15, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0822 9A	S-22-0823 9B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Loam	Sandy Loam
pH (1:1, w/v) @ 25°C	Potentiometric	7.74	7.50
Moisture Content	Gravimetric	1.57 %	1.80 %
Organic Matter	Walkley-Black, UV-Vis	0.809 %	1.089 %
Available Phosphorus	Olsen, UV-Vis	3 ppm	5 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	41 ppm	47 ppm
Water Holding Capacity	Tapping	39 %	40 %

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Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0751

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Claudio Salgado, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 260586 1427917
Date Received : May 13, 2022
Date Analyzed : May 23 - June 15, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0824 10A	S-22-0825 10B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Loam	Sandy Loam
pH (1:1, w/v) @ 25°C	Potentiometric	7.71	7.32
Moisture Content	Gravimetric	1.89 %	1.91 %
Organic Matter	Walkley-Black, UV-Vis	2.177 %	1.271 %
Available Phosphorus	Olsen, UV-Vis	7 ppm	3 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	48 ppm	38 ppm
Water Holding Capacity	Tapping	43 %	42 %

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CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0752

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. San Agustin, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 270809 14230288
Date Received : May 13, 2022
Date Analyzed : May 23 - June 15, 2022
Date Reported : June 16, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0826 11A	S-22-0827 11B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Clay Loam	Clay Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.54	5.95
Moisture Content	Gravimetric	5.95 %	6.40 %
Organic Matter	Walkley-Black, UV-Vis	1.326 %	0.854 %
Available Phosphorus	Olsen, UV-Vis	20 ppm	12 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	149 ppm	90 ppm
Water Holding Capacity	Tapping	57 %	56 %

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Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0753

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. San Agustin, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 270917 1430333
Date Received : May 13, 2022
Date Analyzed : May 23 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0828 12A	S-22-0829 12B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Clay Loam	Silty Loam
pH (1:1, w/v) @ 25°C	Potentiometric	7.04	7.79
Moisture Content	Gravimetric	4.88 %	3.20 %
Organic Matter	Walkley-Black, UV-Vis	2.063 %	2.192 %
Available Phosphorus	Olsen, UV-Vis	9 ppm	2 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	117 ppm	38 ppm
Water Holding Capacity	Tapping	53 %	64 %

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CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0754

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Pag-asa, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 273985 1435022
Date Received : May 13, 2022
Date Analyzed : May 23 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0830 13A	S-22-0831 13B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Loam	Loam
pH (1:1, w/v) @ 25°C	Potentiometric	5.96	6.42
Moisture Content	Gravimetric	2.27 %	1.93 %
Organic Matter	Walkley-Black, UV-Vis	2.055 %	1.091 %
Available Phosphorus	Olsen, UV-Vis	4 ppm	8 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	47 ppm	40 ppm
Water Holding Capacity	Tapping	49 %	39 %

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CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0755

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Pag-asa, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 273931 1434953
Date Received : May 13, 2022
Date Analyzed : May 23 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No. S-22-0832 14A	Laboratory No. S-22-0833 14B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Loam	Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.69	6.88
Moisture Content	Gravimetric	3.29 %	3.10 %
Organic Matter	Walkley-Black, UV-Vis	1.014 %	1.090 %
Available Phosphorus	Olsen, UV-Vis	8 ppm	6 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	85 ppm	90 ppm
Water Holding Capacity	Tapping	39 %	46 %

Checked by :

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Department [redacted]griculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0756

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Pag-asa, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 273927 1434908
Date Received : May 13, 2022
Date Analyzed : May 23 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0834 15A	S-22-0835 15B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Loam	Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.01	6.25
Moisture Content	Gravimetric	2.25 %	2.23 %
Organic Matter	Walkley-Black, UV-Vis	2.422 %	3.011 %
Available Phosphorus	Olsen, UV-Vis	6 ppm	10 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	77 ppm	76 ppm
Water Holding Capacity	Tapping	57 %	54 %

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CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0757

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Pag-asa, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 271454 1433675
Date Received : May 13, 2022
Date Analyzed : May 23 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0836 16A	S-22-0837 16B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Clay Loam	Clay
pH (1:1, w/v) @ 25°C	Potentiometric	6.01	5.86
Moisture Content	Gravimetric	7.82 %	10.74 %
Organic Matter	Walkley-Black, UV-Vis	2.863 %	1.677 %
Available Phosphorus	Olsen, UV-Vis	Not Detected	Not Detected
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	30 ppm	25 ppm
Water Holding Capacity	Tapping	66 %	72 %

Checked by :

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CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0758

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Pag-asa, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 271404 1433620
Date Received : May 13, 2022
Date Analyzed : May 24 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0838 17A	S-22-0839 17B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Clay Loam	Clay
pH (1:1, w/v) @ 25°C	Potentiometric	5.81	5.80
Moisture Content	Gravimetric	7.05 %	8.53 %
Organic Matter	Walkley-Black, UV-Vis	2.724 %	1.917 %
Available Phosphorus	Olsen, UV-Vis	Not Detected	Not Detected
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	32 ppm	67 ppm
Water Holding Capacity	Tapping	59 %	66 %

Checked by :

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PRC License No. 0008475
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Republic of Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0759

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Pag-asa, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 26747 1432834
Date Received : May 13, 2022
Date Analyzed : May 24 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0840 18A	S-22-0841 18B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Clay	Clay
pH (1:1, w/v) @ 25°C	Potentiometric	5.80	7.81
Moisture Content	Gravimetric	9.19 %	10.13 %
Organic Matter	Walkley-Black, UV-Vis	4.474 %	1.081 %
Available Phosphorus	Olsen, UV-Vis	Not Detected	Not Detected
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	156 ppm	114 ppm
Water Holding Capacity	Tapping	71 %	68 %

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Republic of Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0760

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Pag-asa, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 267877 1432823
Date Received : May 13, 2022
Date Analyzed : May 24 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0842 19A	S-22-0843 19B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Clay	Clay
pH (1:1, w/v) @ 25°C	Potentiometric	6.02	6.07
Moisture Content	Gravimetric	9.14 %	8.77 %
Organic Matter	Walkley-Black, UV-Vis	1.751 %	1.748 %
Available Phosphorus	Olsen, UV-Vis	2 ppm	2 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	128 ppm	124 ppm
Water Holding Capacity	Tapping	71 %	65 %

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Republic of Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0761

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Pag-asa, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 271382 1430988
Date Received : May 13, 2022
Date Analyzed : May 24 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No. S-22-0844 20A	Laboratory No. S-22-0845 20B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Loam	Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.10	5.91
Moisture Content	Gravimetric	9.71 %	11.17 %
Organic Matter	Walkley-Black, UV-Vis	2.639 %	1.389 %
Available Phosphorus	Olsen, UV-Vis	15 ppm	27 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	252 ppm	161 ppm
Water Holding Capacity	Tapping	66 %	69 %

Checked by :

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Republic of th ilippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0769

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Lagnas, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 267313 1431109
Date Received : May 13, 2022
Date Analyzed : May 24 - June 22, 2022
Date Reported : June 24, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0860 28A	S-22-0861 28B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Loamy Sand	Loamy Sand
pH (1:1, w/v) @ 25°C	Potentiometric	7.15	6.94
Moisture Content	Gravimetric	0.98 %	0.95 %
Organic Matter	Walkley-Black, UV-Vis	0.269 %	0.809 %
Available Phosphorus	Olsen, UV-Vis	6 ppm	8 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	65 ppm	80 ppm
Water Holding Capacity	Tapping	23 %	25 %

Checked by :

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Republic of th[redacted]ilippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0768

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Lagnas, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 267430 1432137
Date Received : May 13, 2022
Date Analyzed : May 24 - June 22, 2022
Date Reported : June 24, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No. S-22-0858 27A	Laboratory No. S-22-0859 27B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Loam	Loamy Sand
pH (1:1, w/v) @ 25°C	Potentiometric	6.11	6.53
Moisture Content	Gravimetric	2.05 %	1.26 %
Organic Matter	Walkley-Black, UV-Vis	3.257 %	0.896 %
Available Phosphorus	Olsen, UV-Vis	6 ppm	10 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	53 ppm	59 ppm
Water Holding Capacity	Tapping	45 %	29 %

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Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0767

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Lagnas, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 267736 1431694
Date Received : May 13, 2022
Date Analyzed : May 24 - June 22, 2022
Date Reported : June 24, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0856 26A	S-22-0857 26B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Loam	Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.52	6.65
Moisture Content	Gravimetric	1.70 %	1.45 %
Organic Matter	Walkley-Black, UV-Vis	2.813 %	0.902 %
Available Phosphorus	Olsen, UV-Vis	61 ppm	41 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	224 ppm	196 ppm
Water Holding Capacity	Tapping	43 %	43 %

Checked by :

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Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0766

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Claudio Salgado, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 258967 1432171
Date Received : May 13, 2022
Date Analyzed : May 24 - June 22, 2022
Date Reported : June 24, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No. S-22-0854 25A	Laboratory No. S-22-0855 25B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Clay Loam	Loamy Sand
pH (1:1, w/v) @ 25°C	Potentiometric	7.30	7.20
Moisture Content	Gravimetric	1.96 %	0.80 %
Organic Matter	Walkley-Black, UV-Vis	3.540 %	0.448 %
Available Phosphorus	Olsen, UV-Vis	2 ppm	4 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	70 ppm	21 ppm
Water Holding Capacity	Tapping	57 %	19 %

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Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0765

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Claudio Salgado, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 259110 1432155
Date Received : May 13, 2022
Date Analyzed : May 23 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0852 24A	S-22-0853 24B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Silty Clay Loam	Silty Clay Loam
pH (1:1, w/v) @ 25°C	Potentiometric	7.47	7.90
Moisture Content	Gravimetric	2.27 %	1.33 %
Organic Matter	Walkley-Black, UV-Vis	4.932 %	3.705 %
Available Phosphorus	Olsen, UV-Vis	4 ppm	6 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	68 ppm	80 ppm
Water Holding Capacity	Tapping	63 %	56 %

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Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0764

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Claudio Salgado, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 258951 1432585
Date Received : May 13, 2022
Date Analyzed : May 23 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0850 23A	S-22-0851 23B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Silty Clay Loam	Silty Clay Loam
pH (1:1, w/v) @ 25°C	Potentiometric	7.59	7.78
Moisture Content	Gravimetric	2.48 %	1.35 %
Organic Matter	Walkley-Black, UV-Vis	5.556 %	3.346 %
Available Phosphorus	Olsen, UV-Vis	16 ppm	10 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	88 ppm	66 ppm
Water Holding Capacity	Tapping	77 %	63 %

Checked by :

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Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0763

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Claudio Salgado, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 258907.1432543
Date Received : May 13, 2022
Date Analyzed : May 24 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0848 22A	S-22-0849 22B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Loam	Loamy Sand
pH (1:1, w/v) @ 25°C	Potentiometric	6.34	7.05
Moisture Content	Gravimetric	1.14 %	0.73 %
Organic Matter	Walkley-Black, UV-Vis	1.615 %	0.535 %
Available Phosphorus	Olsen, UV-Vis	4 ppm	4 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	39 ppm	72 ppm
Water Holding Capacity	Tapping	31 %	28 %

Checked by :

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Republic of the Philippines
Department of Agriculture
REGIONAL SOILS LABORATORY
Region IV-A

CERTIFICATE OF ANALYSIS

Test Report No : TRS-22-0762

Customer : **DENR - MIMAROPA - COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**
Address : Brgy. Sto. Niño, Sablayan, Occidental Mindoro
Site of Farm : Brgy. Pag-asa, Sablayan
Area : 74,825.98 ha
Crops : No crop

Coordinates : 271400 1430965
Date Received : May 13, 2022
Date Analyzed : May 24 - June 17, 2022
Date Reported : June 22, 2022

Description : dry soil in ziplock

DETERMINATION	TEST METHOD	Laboratory No.	
		S-22-0846 21A	S-22-0847 21B
		RESULT	
Soil Texture	Bouyoucos Hydrometer	Sandy Clay Loam	Loam
pH (1:1, w/v) @ 25°C	Potentiometric	6.40	6.51
Moisture Content	Gravimetric	9.76 %	9.07 %
Organic Matter	Walkley-Black, UV-Vis	2.334 %	1.164 %
Available Phosphorus	Olsen, UV-Vis	4 ppm	4 ppm
Exchangeable Potassium	Ammonium Acetate Extraction, Atomic Emission Spectroscopy	214 ppm	95 ppm
Water Holding Capacity	Tapping	71 %	70 %

Checked by :

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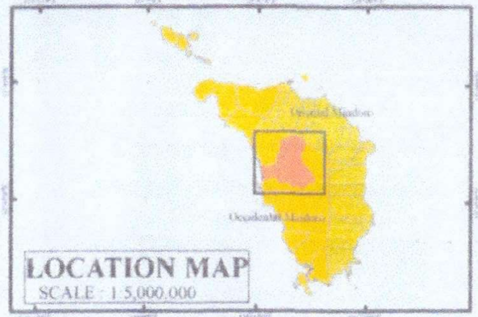
INFRASTRUCTURE MAP OF AMNAY-PATRICK WATERSHED



SCALE : 1:250,000

Area : 75, 832. 88 Hectares

Location : Sablayan, Sta. Cruz, Baco, and Naujan

Province : Occidental Mindoro, Oriental Mindoro

LEGEND

Barangay Hall	Fuel Station	Water Tank
Box Culvert	High School	Irrigation Canal
Bridge	Irrigation Intake	Protection Dike
Zipline	Minority School	Road
Cemetery	Municipal Building	Rivers & Creeks
Church	Power Station	Barangay Boundary
Cockpit Arena	Public Market	Alienable/Disposable
Communication Tower	SWIS	Forest Land
Covered Court	Solar Dryer	Amnay-Patrick River Basin
Elementary School	Watingshed	

DATA SOURCES :

Notes:

Republic of the Philippines
Department of Environment and Natural Resources

Prepared by:

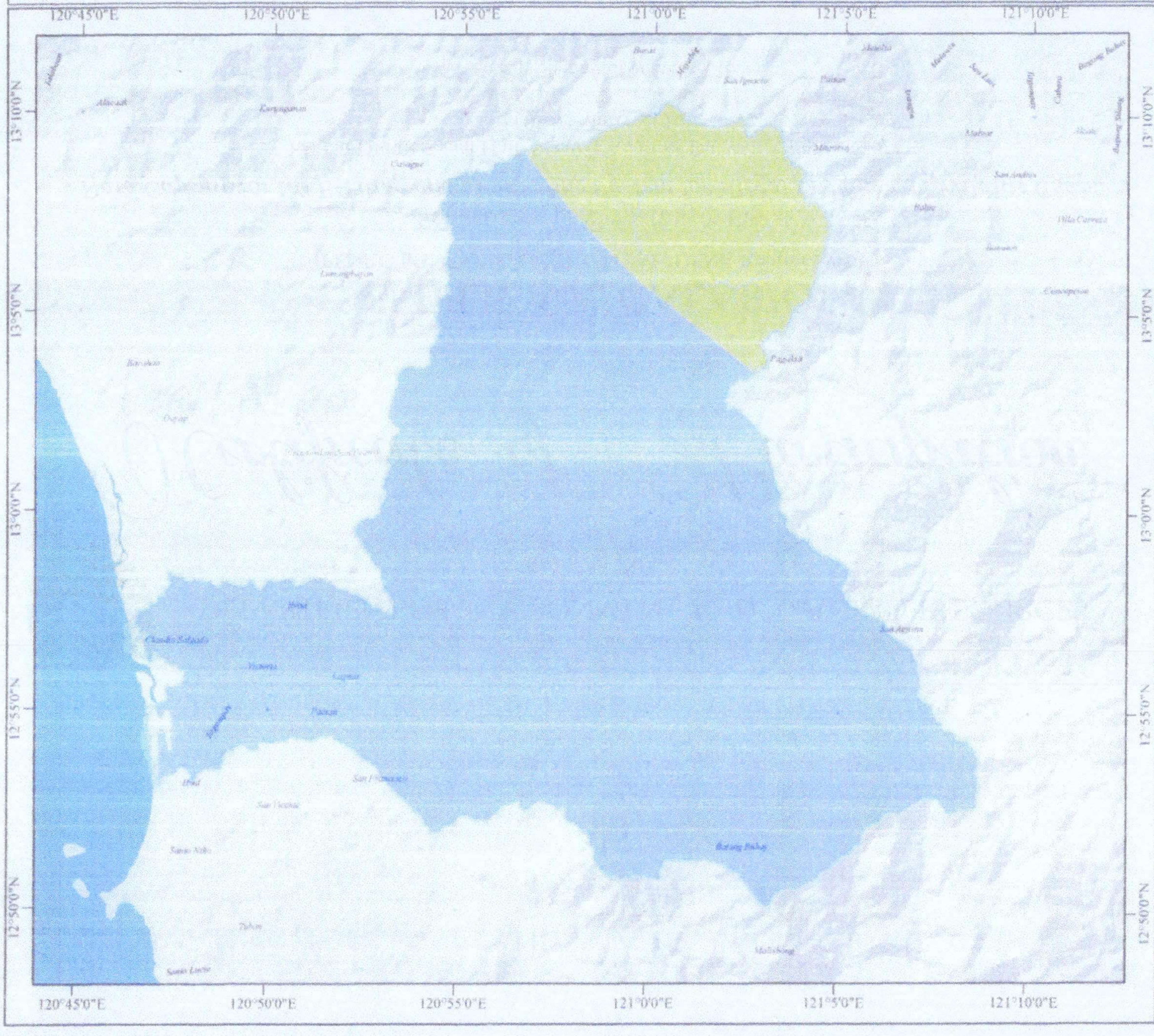
DENNIS FERATERO

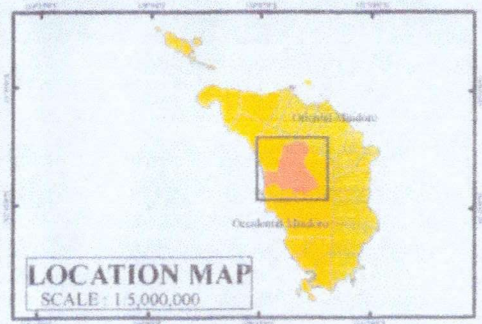
Verified by:

ISAIAS GUIMOD

Reviewed by:

CLIMATIC MAP OF AMNAY-PATRICK WATERSHED





LOCATION MAP
SCALE : 1:5,000,000

SCALE : 1:250,000

Area : 75, 832. 88 Hectares
Location : Sablayan, Sta. Cruz, Baco, and Naujan
Province : Occidental Mindoro, Oriental Mindoro

LEGEND

Barangay Boundary
Rivers & Creeks
Amnay-Patrick River Basin

Areas: Climatic Type

1st Type
3rd Type

DATA SOURCES :

Notes:

Republic of the Philippines
Department of Environment and Natural Resources

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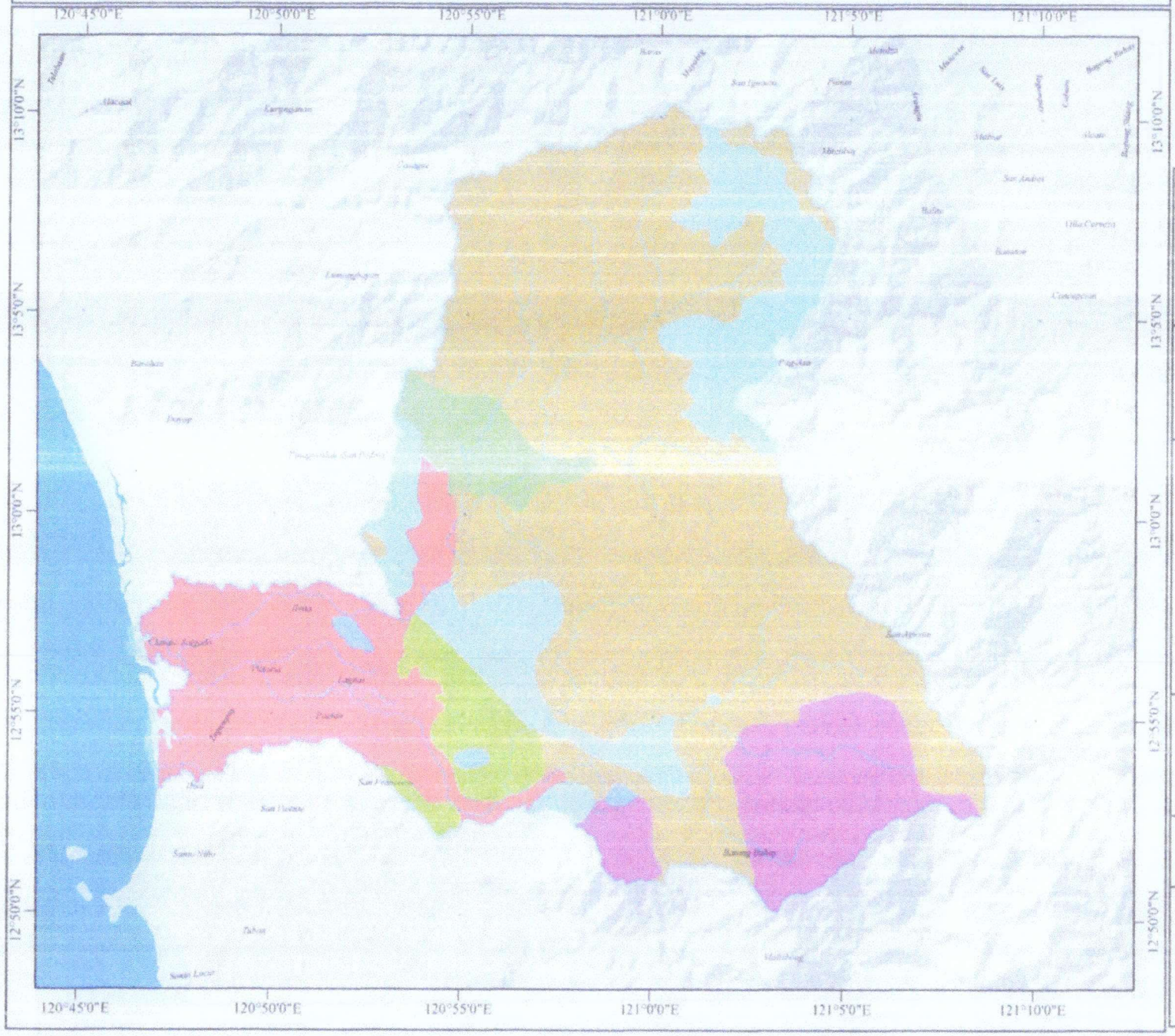
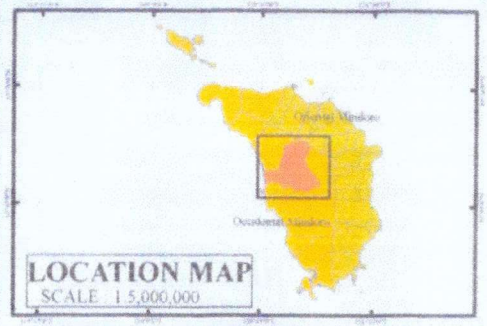
SANICO

Verified by:
ISAIAS A. GUIMOD

GEOLOGIC AP OF AMNAY-PA I RICK WATERSHED





LOCATION MAP
SCALE 1:5,000,000

SCALE : 1:250,000
Projected Coordinate System
WGS1984 UTM Zone 51N

Area : 75, 832. 88 Hectares
Location : Sablayan, Sta. Cruz, Baco, and Naujan
Province : Occidental Mindoro, Oriental Mindoro

LEGEND

- Barangay Boundary
- Rivers & Creeks
- Amnay-Patrick River Basin

Atlas Geology

- Basement Complex (Pre-Jurassic)
- Cretaceous-Paleogene
- Oligocene (Sedimentary & Metamorphic Rocks)
- Oligocene-Miocene
- Oligocene-Miocene (Sedimentary & Metamorphic Rocks)
- Paleocene-Eocene (Sedimentary & Metamorphic Rocks)
- Recent

DATA SOURCES :

Notes
Boundaries are for reference only and are not necessarily authoritative.

Republic of the Philippines
Department of Environment and Natural Resources

Prepared by:
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Recommending Approval:
ALVIN E. SANICO

Verified by:
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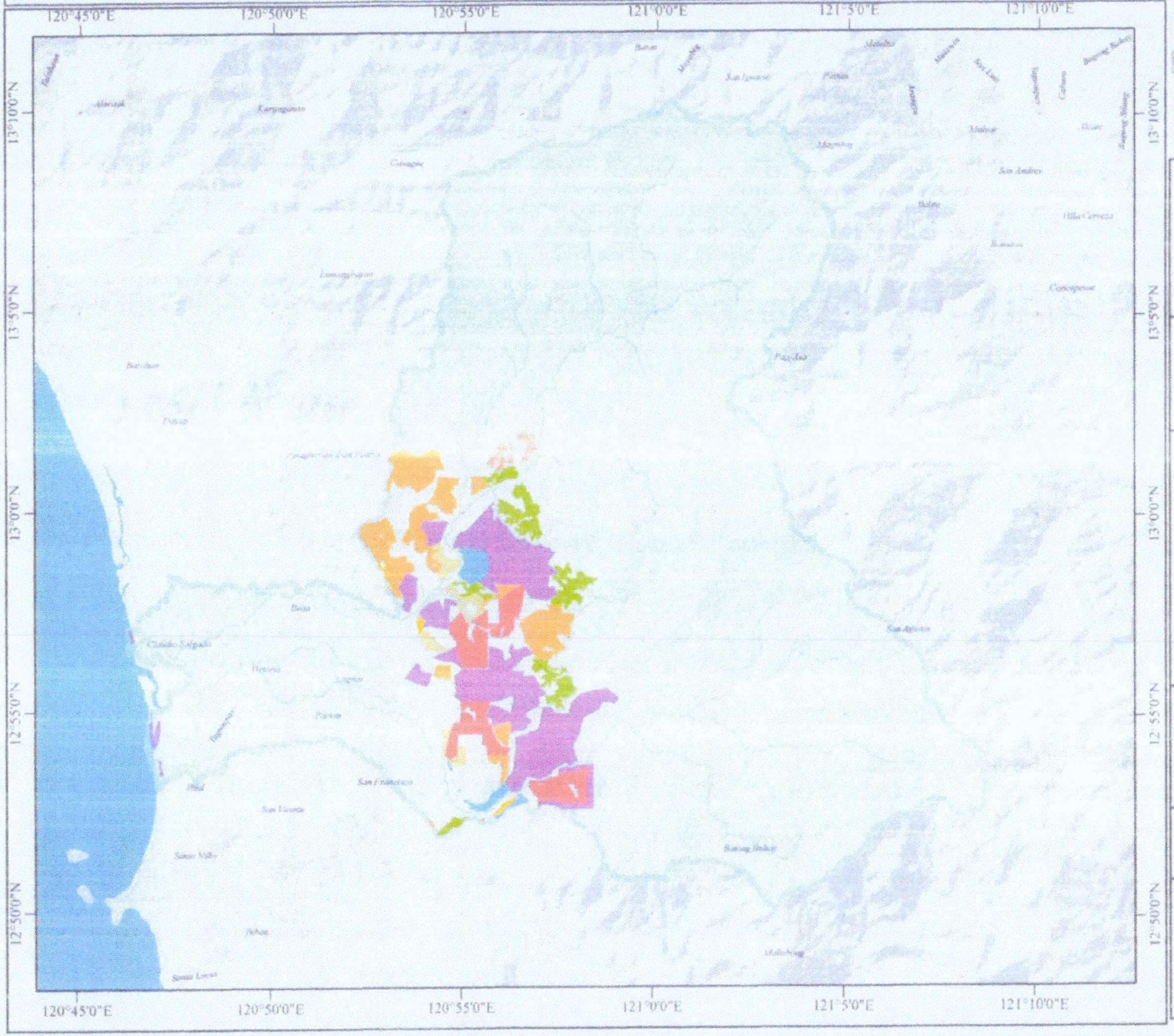
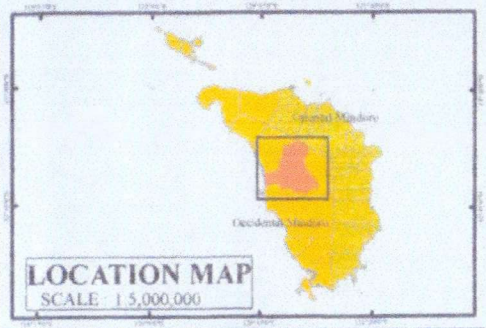
PROJECT MAP OF AMNAY-PATRICK WATERSHED





SCALE : 1:250,000

Area : 75, 832. 88 Hectares

Location : Sablayan, Sta. Cruz, Baco, and Naujan

Province : Occidental Mindoro, Oriental Mindoro

LEGEND

- Barangay Boundary
- Rivers & Creeks
- Amnay-Patrick River Basin

Areas: NGP by Year

- Year 2011
- Year 2012
- Year 2013
- Year 2014
- Year 2015
- Year 2016
- Year 2017
- Year 2018
- Year 2020
- Year 2021

DATA SOURCES :

Notes:

Republic of the Philippines
Department of Environment and Natural Resources

Prepared by:

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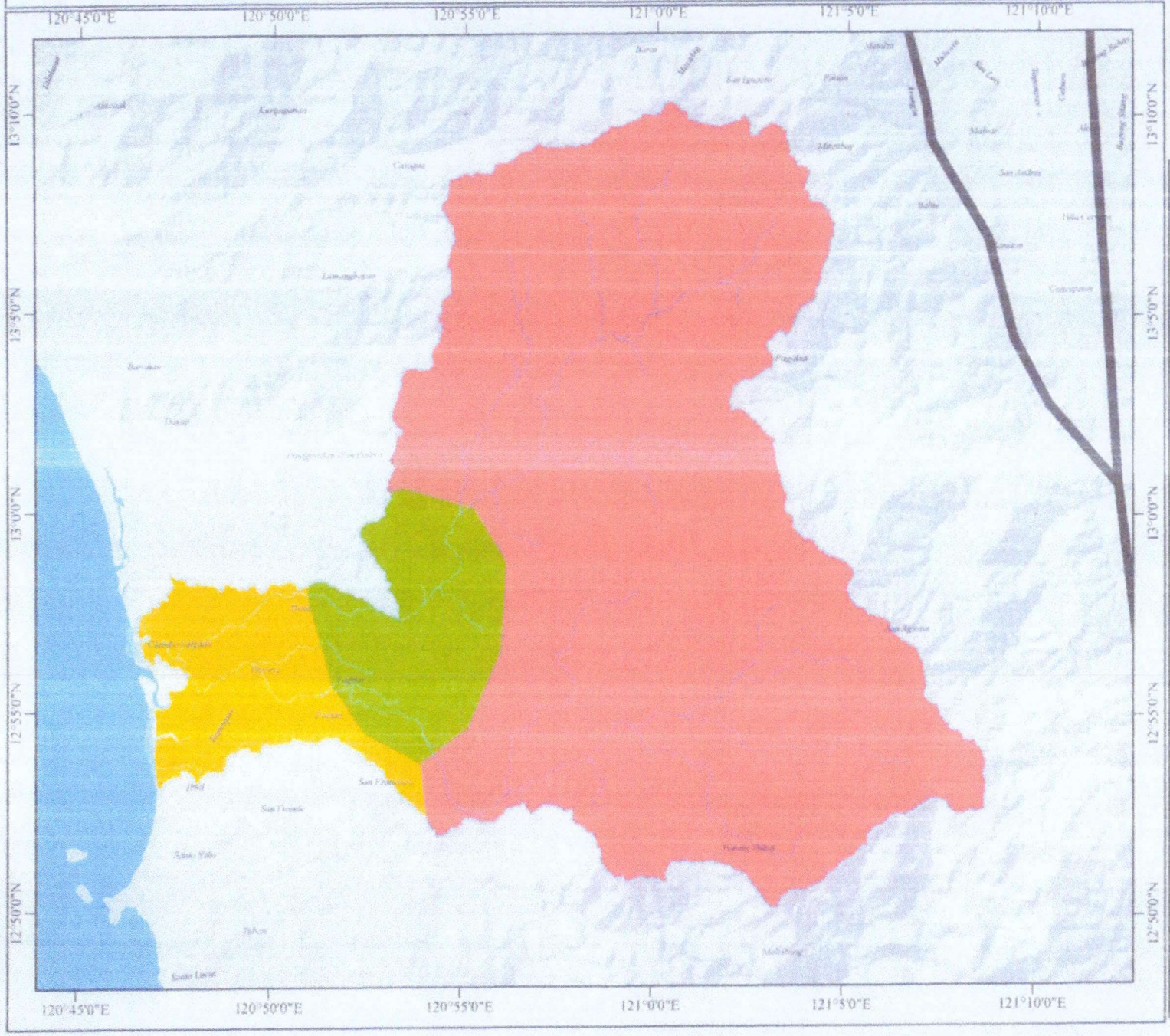
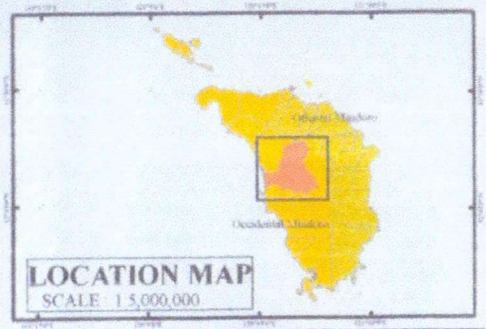
Verified by:

ISAIAS A. GUIMOD

SEISMICITY MAP OF AMNAY-PATRICK WATERSHED





SCALE : 1:250,000

Area : 75, 832. 88 Hectares

Location : Sablayan, Sta. Cruz, Baco, and Naujan

Province : Occidental Mindoro, Oriental Mindoro

LEGEND

- Faultlines
- Barangay Boundary
- Rivers & Creeks
- Amnay-Patrick River Basin

Areas Earthquake Vulnerability

- High Danger Zone
- Low Danger Zone
- No Present Risk

DATA SOURCES :

Notes

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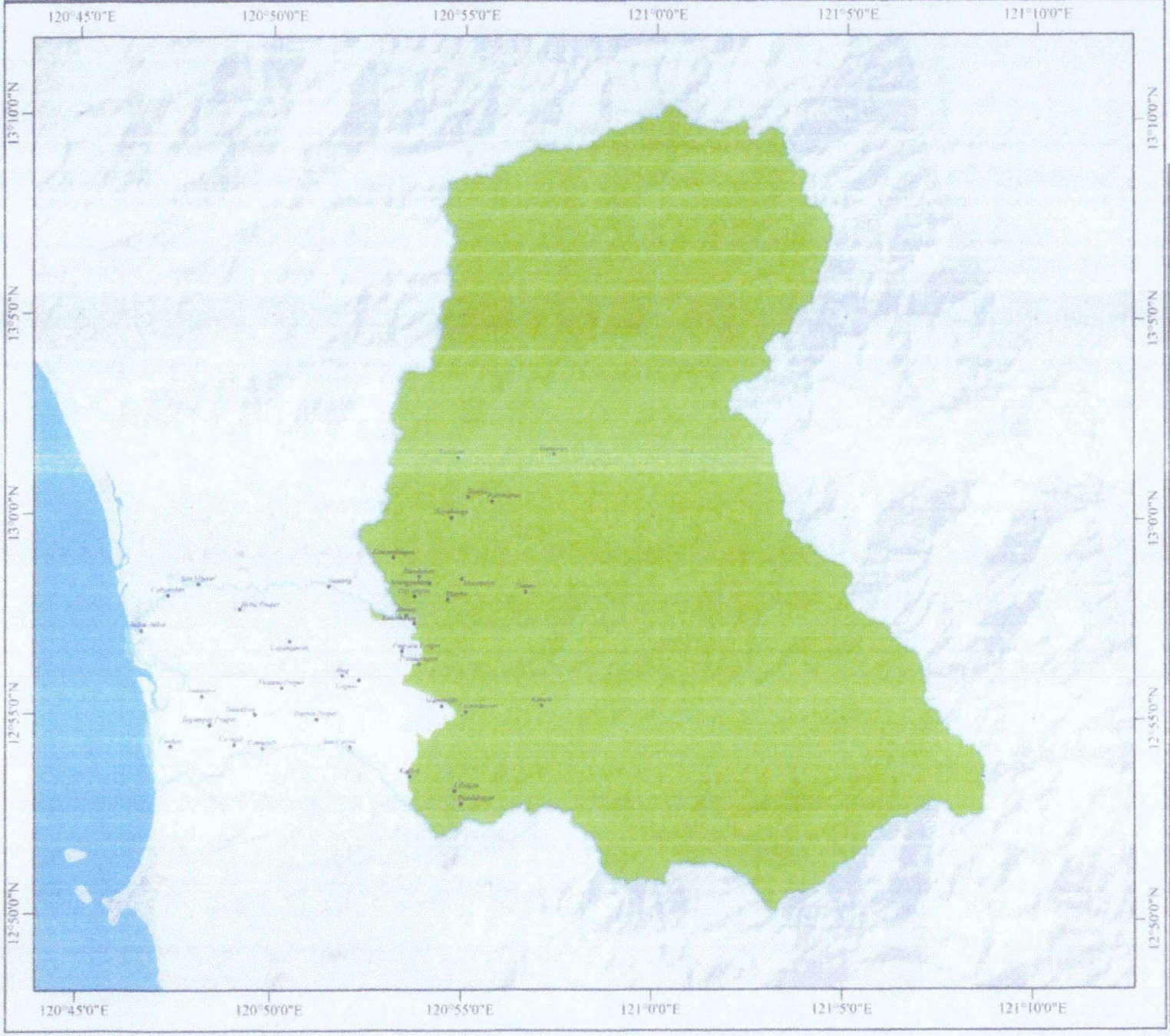
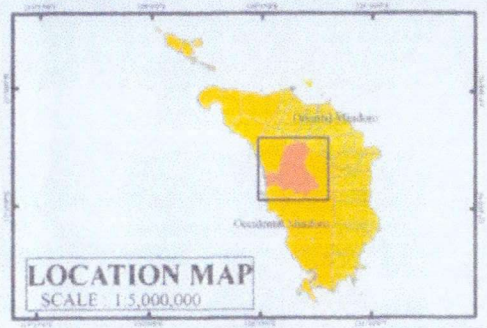
Verified by:

ISIAS C. GUIMOD

SETTLEMENT MAP OF AMNAY-PATRICK WATERSHED





SCALE : 1:250,000

Area : 75, 832. 88 Hectares

Location : Sablayan, Sta. Cruz, Baco, and Naujan

Province : Occidental Mindoro, Oriental Mindoro

LEGEND

- Sitio
- Road
- Rivers & Creeks
- Barangay Boundary
- Alienable/Disposable
- Forest Land
- Amnay-Patrick River Basin

DATA SOURCES :

Note:

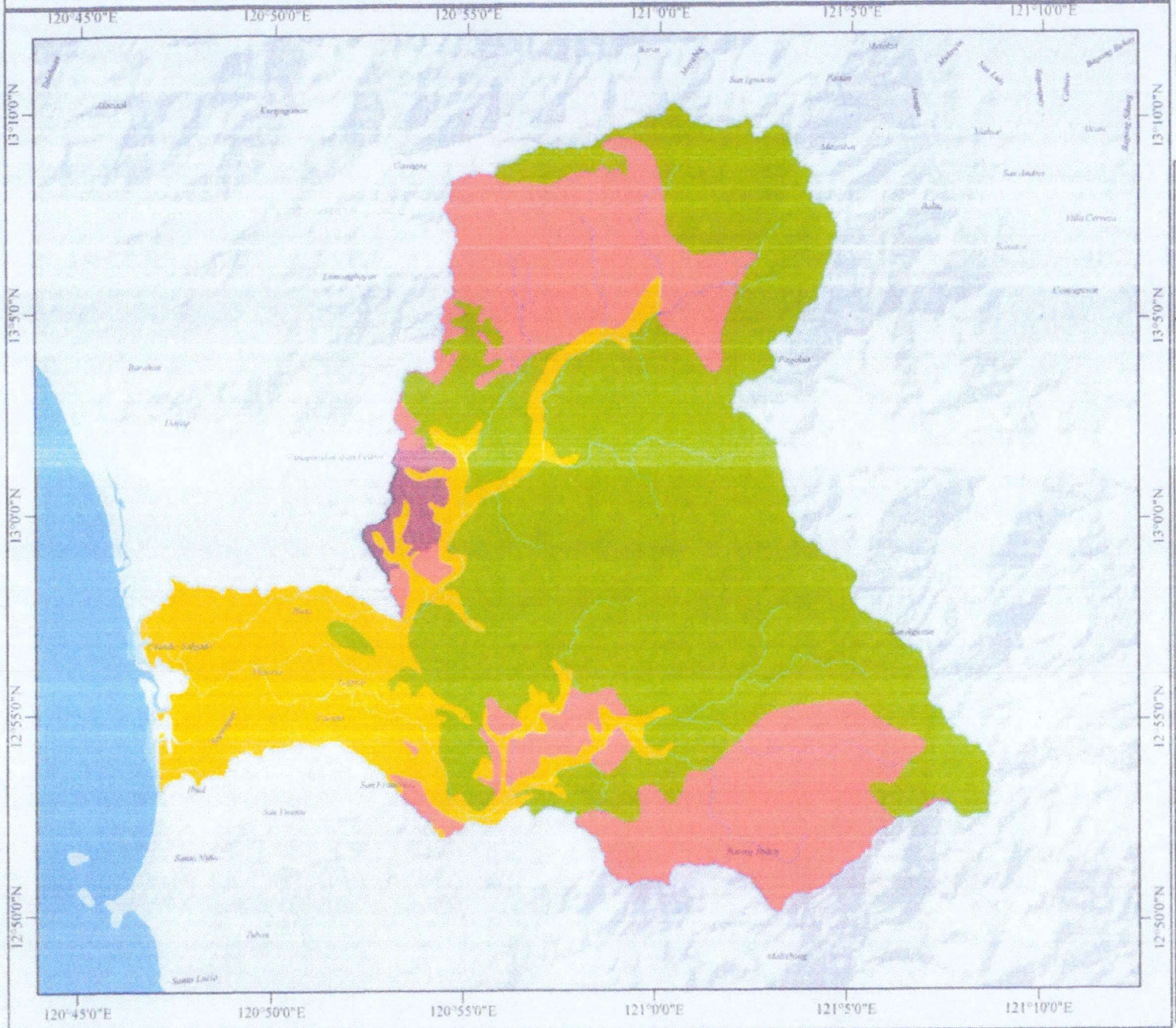
Republic of the Philippines
Department of Environment and Natural Resources

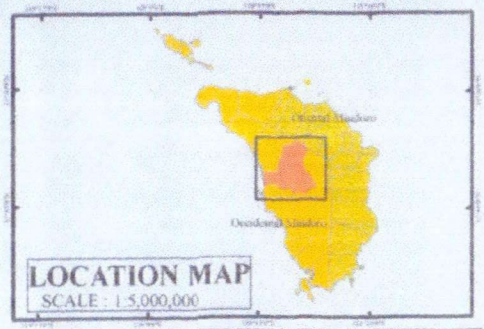
Prepared by:
DENNIS V. TERATERO

Reviewed by:
ALVIN L. SANICO

Certified by:
ELIAS N. QUIMOD

SOIL EROSION VULNERABILITY MAP OF AMNAY-PATRICK WATERSHED





SCALE : 1:250,000

Area : 75, 832. 88 Hectares

Location : Sablayan, Sta. Cruz, Baco, and Naujan

Province : Occidental Mindoro, Oriental Mindoro

LEGEND

- Barangay Boundary
- Rivers & Creeks
- Amnay-Patrick River Basin

Areas Soil Erosion Category

- Severe Erosion
- Moderate Erosion
- Slight Erosion
- No Apparent Erosion

DATA SOURCES :

Notes:

Republic of the Philippines
Department of Environment and Natural Resources

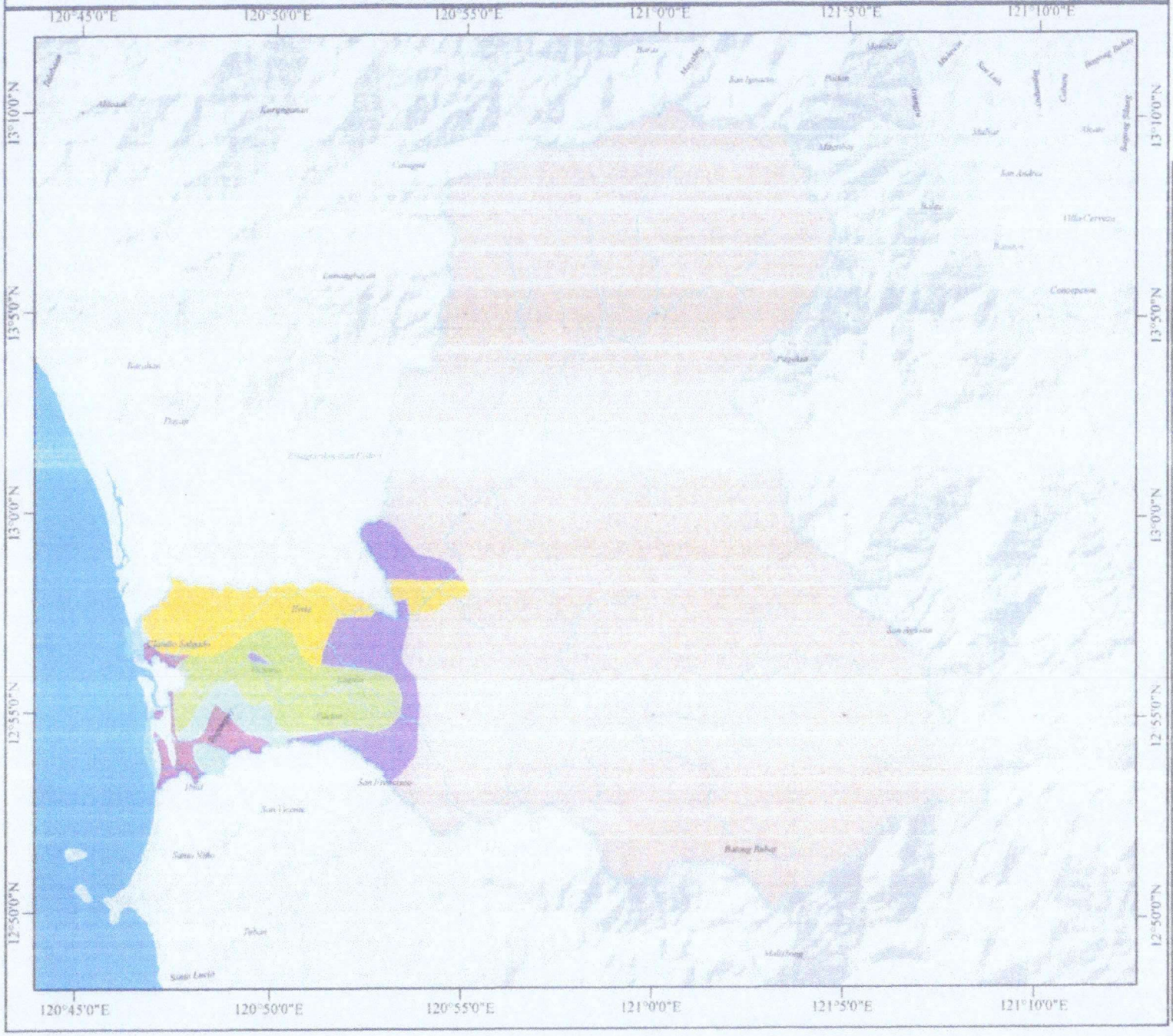
Prepared by:

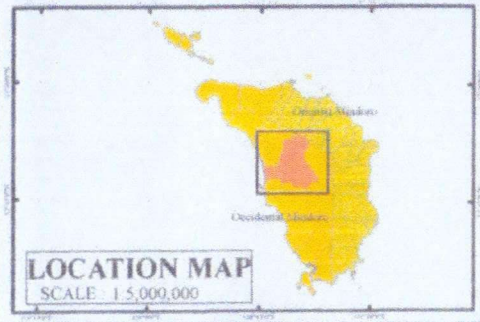
DENNIS E. FERATERO

Verified by:

THOMAS A. GUIMOD

SOIL SERIES AP OF AMNAY-PATRICK WATERSHED





SCALE : 1:250,000

Projected Coordinate System
WGS1984 UTM Zone 51N

Area : 75, 832. 88 Hectares

Location : Sablayan, Sta. Cruz, Baco, and Naujan

Province : Occidental Mindoro, Oriental Mindoro

LEGEND

- Barangay Boundary
- Rivers & Crocks
- Amnay-Patrick River Basin

Areas Soil Series

- Banto clay loam
- Beach sand
- Faraon clay / River wash
- Quingua clay loam
- Rough Mountainious land
- San Manuel sandy loam
- Umingan loam

DATA SOURCES :

Notes:

Republic of the Philippines
Department of Environment and Natural Resources

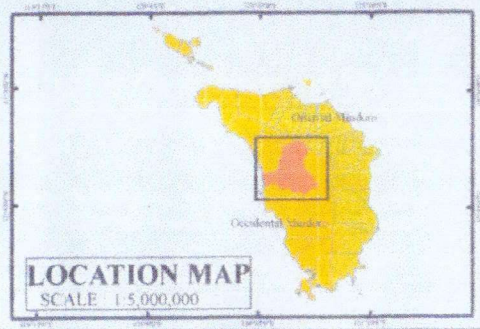
Prepared by:

DENNIS L. FERATERO

Verified by:

ISAIAS M. QUIMOD

TENURIAL MAP OF AMNAY-PATRICK WATERSHED



SCALE : 1:250,000

Projected Coordinate System
WGS1984 UTM Zone 51N

Area : 75, 832. 88 Hectares

Location : Sablayan, Sta. Cruz, Baco, and Naujan

Province : Occidental Mindoro, Oriental Mindoro

LEGEND

- Barangay Boundary
- Rivers & Creeks
- Amnay-Patrick River Basin

Areas Tenurial

- CSC
- CBFMA
- CADT
- PA

DATA SOURCES :

Notes:

Boundaries are for reference only and are not necessarily authoritative.

Republic of the Philippines
Department of Environment and Natural Resources

Prepared by:

DENNIS E. FERATERO

Verified by:

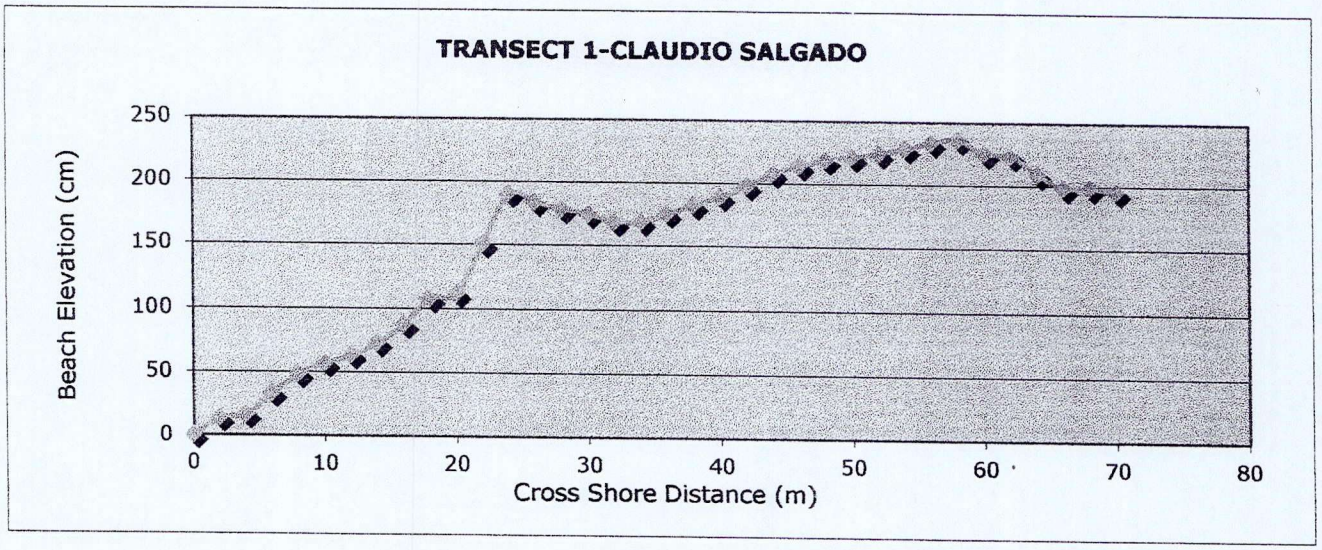
ISAIAS [illegible]

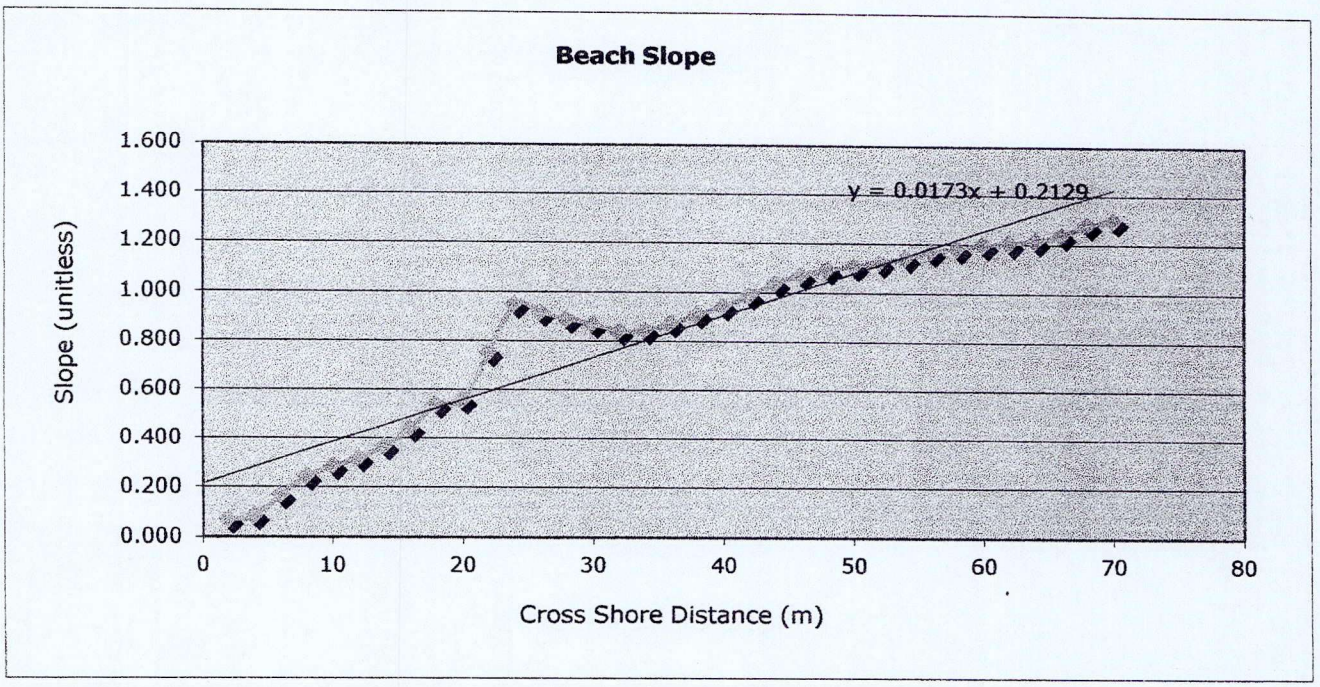
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 28, 2022
Coordinates	Transect 1	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	14	0.14	2	14	0.070
2	17	0.17	4	17	0.085
2	34	0.34	6	34	0.170
2	49	0.49	8	49	0.245
2	57.5	0.575	10	57.5	0.288
2	63.9	0.639	12	63.9	0.320
2	73.7	0.737	14	73.7	0.369
2	88.4	0.884	16	88.4	0.442
2	108.4	1.084	18	108.4	0.542
2	111.9	1.119	20	111.9	0.560
2	151	1.51	22	151	0.755
2	190.5	1.905	24	190.5	0.953
2	183.9	1.839	26	183.9	0.920
2	178.4	1.784	28	178.4	0.892
2	174.6	1.746	30	174.6	0.873
2	168.6	1.686	32	168.6	0.843
2	169.1	1.691	34	169.1	0.846
2	175.4	1.754	36	175.4	0.877
2	182.4	1.824	38	182.4	0.912
2	189.5	1.895	40	189.5	0.948
2	198	1.98	42	198	0.990
2	208	2.08	44	208	1.040
2	214.5	2.145	46	214.5	1.073
2	219.3	2.193	48	219.3	1.097
2	221.9	2.219	50	221.9	1.110
2	225	2.25	52	225	1.125
2	229	2.29	54	229	1.145
2	234.2	2.342	56	234.2	1.171
2	236.5	2.365	58	236.5	1.183
2	239.5	2.395	60	225.5	1.198
2	241.1	2.411	62	224.1	1.206
2	243.3	2.433	64	209.3	1.217
2	248	2.48	66	199	1.240
2	256.3	2.563	68	198.8	1.282
2	259.8	2.598	70	195.9	1.299
					0.0138
					1.38

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 1-CLAUDIO SALGADO
Beach Elevation (cm)
250
200
150
100
50
0
0
10
20
30
40
50
60
70
80
Cross Shore Distance (m)


Beach Slope
Slope (unitless)
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0173x + 0.2129
0
10
20
30
40
50
60
70
80
Cross Shore Distance (m)

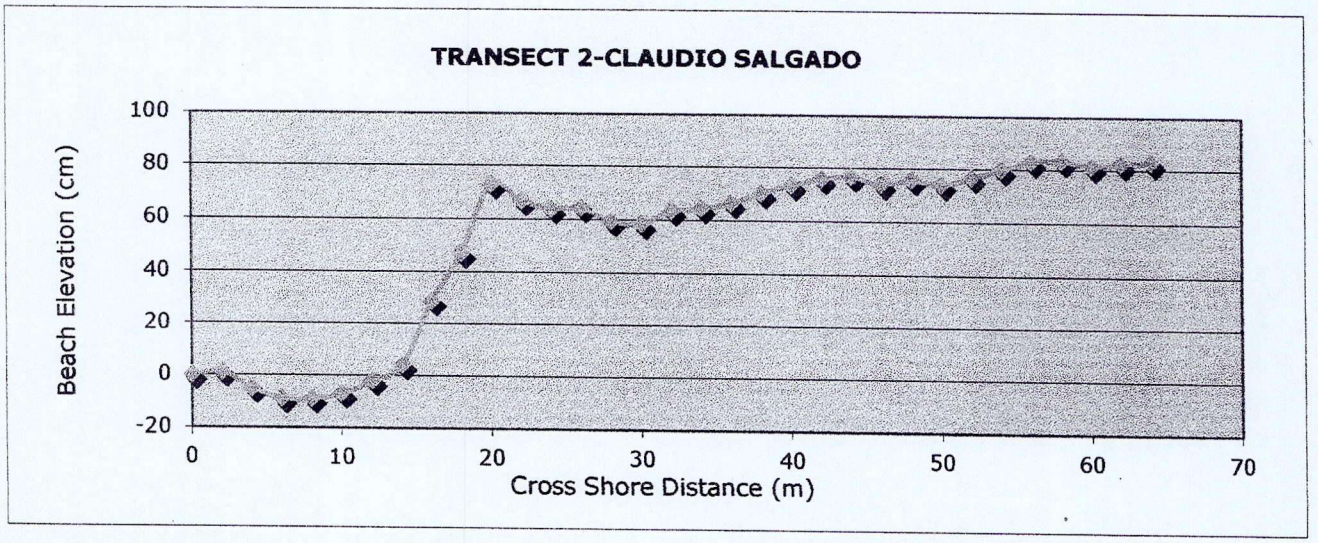
BEACH PROFILE

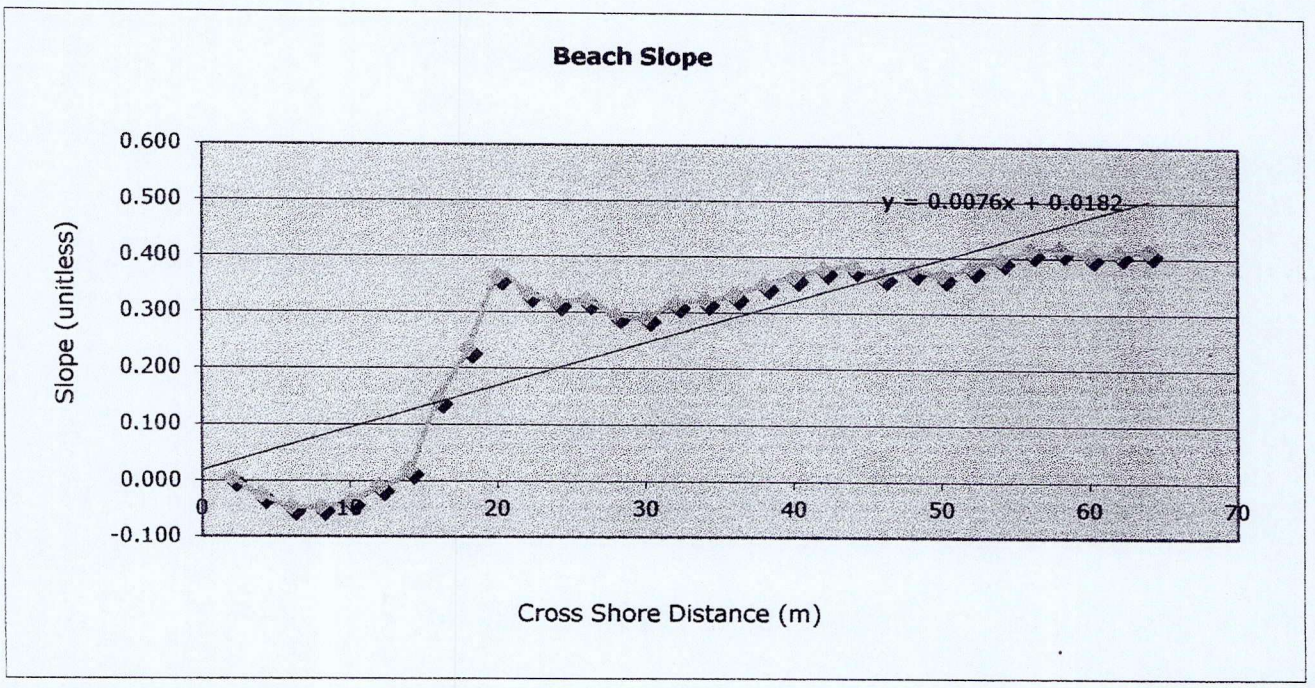
Location	Brgy. Claudio Salgado	Date	June 22, 2022
Coordinates	Transect 2	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	1	0.01	2	1	0.005
2	-5	-0.05	4	-5	-0.025
2	-9	-0.09	6	-9	-0.045
2	-9	-0.09	8	-9	-0.045
2	-7	-0.07	10	-7	-0.035
2	-2	-0.02	12	-2	-0.010
2	4	0.04	14	4	0.020
2	29	0.29	16	29	0.145
2	47	0.47	18	47	0.235
2	73	0.73	20	73	0.365
2	67	0.67	22	67	0.335
2	64	0.64	24	64	0.320
2	64.5	0.645	26	64.5	0.323
2	59.5	0.595	28	59.5	0.298
2	58.5	0.585	30	58.5	0.293
2	63.5	0.635	32	63.5	0.318
2	64.5	0.645	34	64.5	0.323
2	66.5	0.665	36	66.5	0.333
2	70.5	0.705	38	70.5	0.353
2	73.5	0.735	40	73.5	0.368
2	76	0.76	42	76	0.380
2	77	0.77	44	77	0.385
2	74	0.74	46	74	0.370
2	76	0.76	48	76	0.380
2	74	0.74	50	74	0.370
2	77	0.77	52	77	0.385
2	80	0.8	54	80	0.400
2	83	0.83	56	83	0.415
2	83.5	0.835	58	83.5	0.418
2	81.5	0.815	60	81.5	0.408
2	82.5	0.825	62	82.5	0.413
2	83	0.83	64	83	0.415

0.0076
0.76

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 2-CLAUDIO SALGADO
Beach Elevation (cm)
100
80
60
40
20
0
-20
0
10
20
30
40
50
60
70
Cross Shore Distance (m)

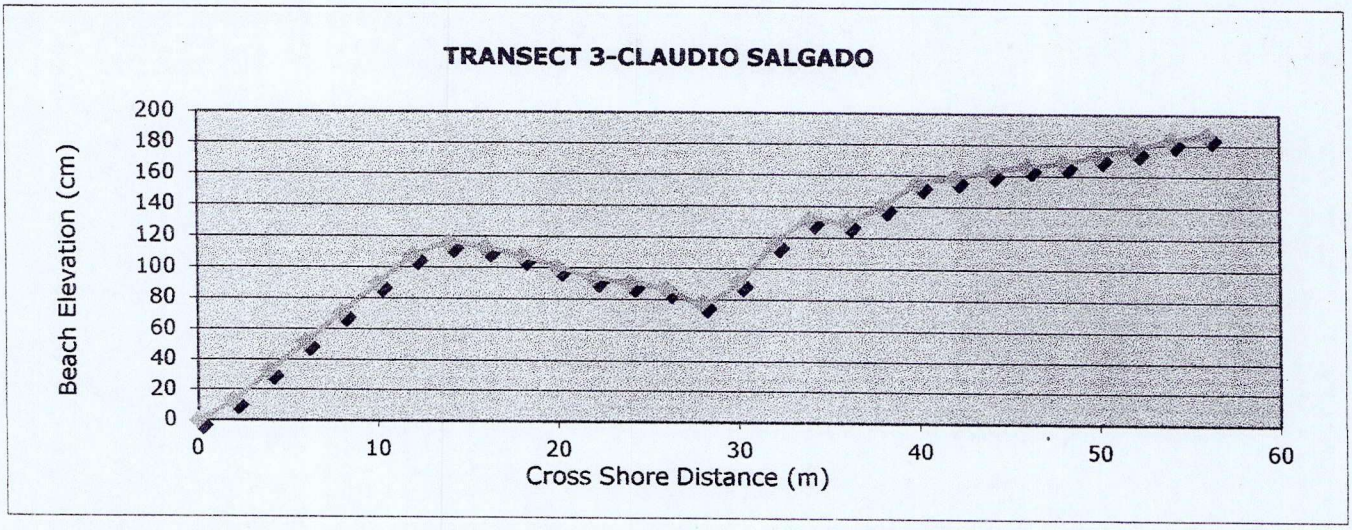

Beach Slope
Slope (unitless)
0.600
0.500
0.400
0.300
0.200
0.100
0.000
-0.100
y = 0.0076x + 0.0182
0
10
20
30
40
50
60
70
Cross Shore Distance (m)

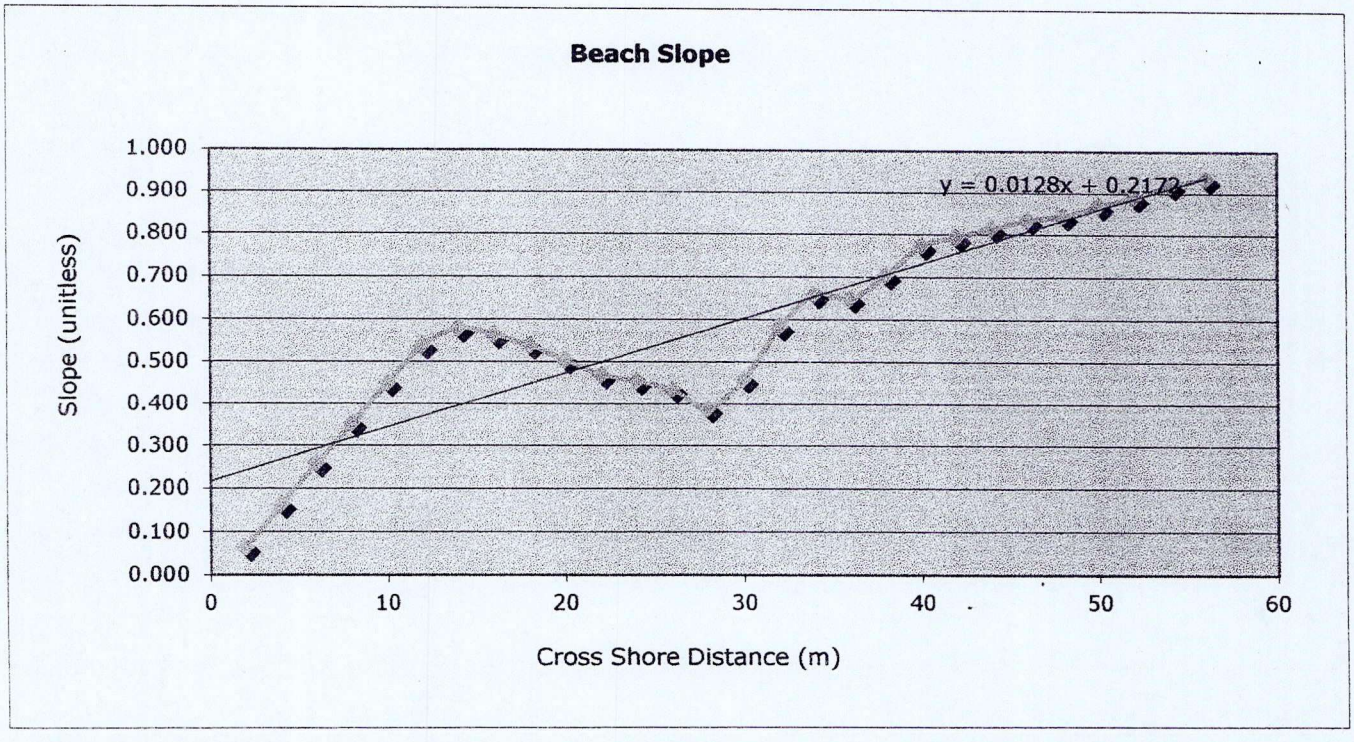
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 22, 2022
Coordinates	Transect 3	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	13	0.13	2	13	0.065
2	33	0.33	4	33	0.165
2	52	0.52	6	52	0.260
2	71	0.71	8	71	0.355
2	90	0.9	10	90	0.450
2	108	1.08	12	108	0.540
2	116	1.16	14	116	0.580
2	113	1.13	16	113	0.565
2	108	1.08	18	108	0.540
2	101	1.01	20	101	0.505
2	94	0.94	22	94	0.470
2	91	0.91	24	91	0.455
2	87	0.87	26	87	0.435
2	78	0.78	28	78	0.390
2	92	0.92	30	92	0.460
2	117	1.17	32	117	0.585
2	132	1.32	34	132	0.660
2	130	1.3	36	130	0.650
2	141	1.41	38	141	0.705
2	155	1.55	40	155	0.775
2	159	1.59	42	159	0.795
2	163	1.63	44	163	0.815
2	167	1.67	46	167	0.835
2	169	1.69	48	169	0.845
2	174	1.74	50	174	0.870
2	178	1.78	52	178	0.890
2	184	1.84	54	184	0.920
2	187	1.87	56	187	0.935
					0.0128
					1.28

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 3-CLAUDIO SALGADO
Beach Elevation (cm)
200
180
160
140
120
100
80
60
40
20
0
0
10
20
30
40
50
60
Cross Shore Distance (m)

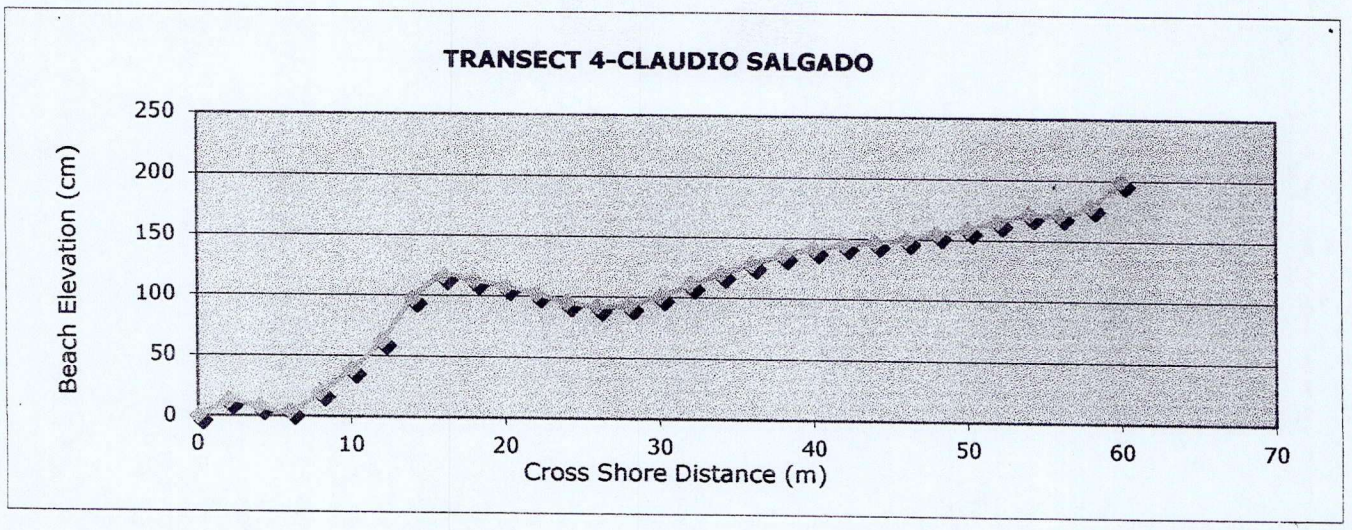

Beach Slope
Slope (unitless)
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
y = 0.0128x + 0.2172
0
10
20
30
40
50
60
Cross Shore Distance (m)

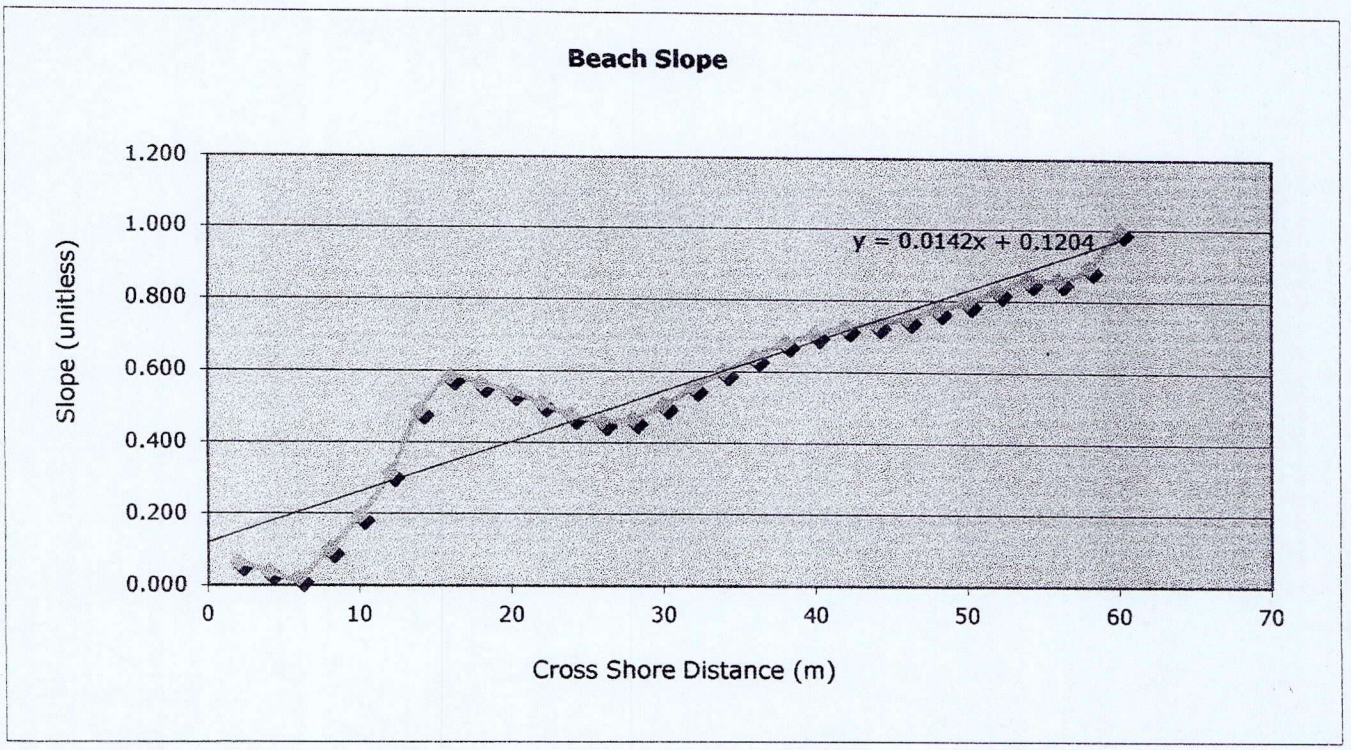
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 22, 2022
Coordinates	Transect 4	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope	
			0	0		
2	13	0.13	2	13	0.065	
2	8	0.08	4	8	0.040	
2	4.5	0.045	6	4.5	0.023	
2	20.5	0.205	8	20.5	0.103	
2	39	0.39	10	39	0.195	
2	63	0.63	12	63	0.315	
2	98	0.98	14	98	0.490	
2	117	1.17	16	117	0.585	
2	113	1.13	18	113	0.565	
2	108.5	1.085	20	108.5	0.543	
2	102.5	1.025	22	102.5	0.513	
2	95.5	0.955	24	95.5	0.478	
2	92.5	0.925	26	92.5	0.463	
2	93.5	0.935	28	93.5	0.468	
2	101.5	1.015	30	101.5	0.508	
2	111.5	1.115	32	111.5	0.558	
2	120.5	1.205	34	120.5	0.603	
2	128.5	1.285	36	128.5	0.643	
2	136.5	1.365	38	136.5	0.683	
2	141.5	1.415	40	141.5	0.708	
2	145.5	1.455	42	145.5	0.728	
2	147.5	1.475	44	147.5	0.738	
2	150.5	1.505	46	150.5	0.753	
2	155.5	1.555	48	155.5	0.778	
2	159.5	1.595	50	159.5	0.798	
2	166	1.66	52	166	0.830	
2	172	1.72	54	172	0.860	
2	172	1.72	56	172	0.860	
2	179	1.79	58	179	0.895	0.0142
2	200	2	60	200	1.000	1.42

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 4-CLAUDIO SALGADO
Beach Elevation (cm)
250
200
150
100
50
0
0
10
20
30
40
50
60
70
Cross Shore Distance (m)


Beach Slope
Slope (unitless)
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0142x + 0.1204
0
10
20
30
40
50
60
70
Cross Shore Distance (m)

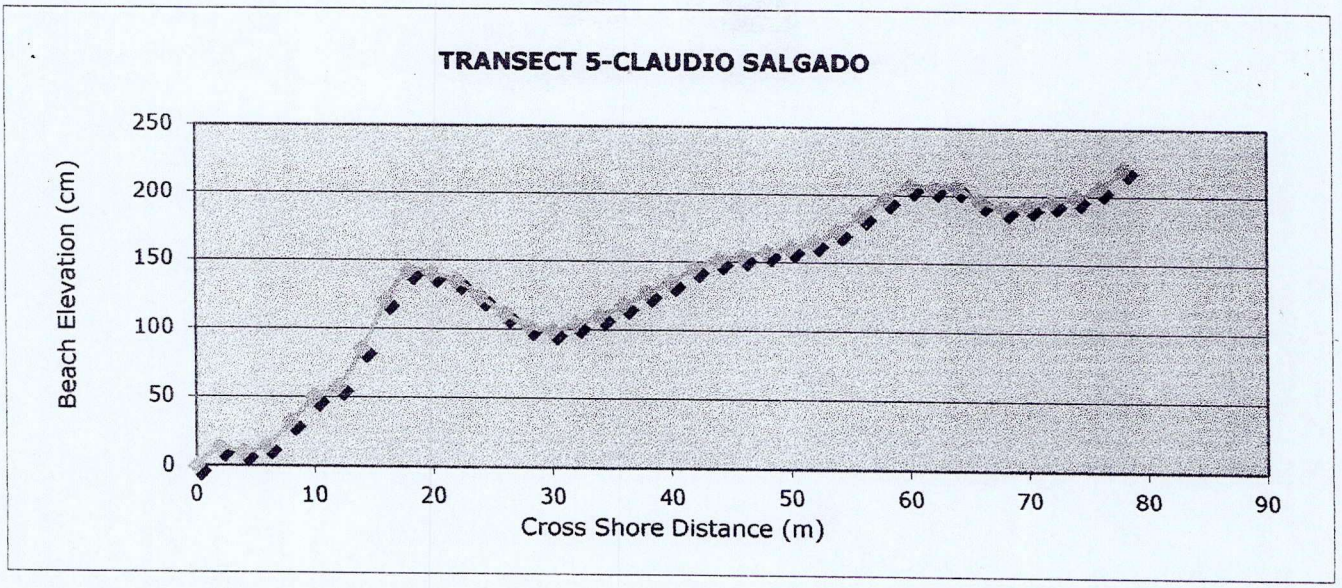
BEACH PROFILE

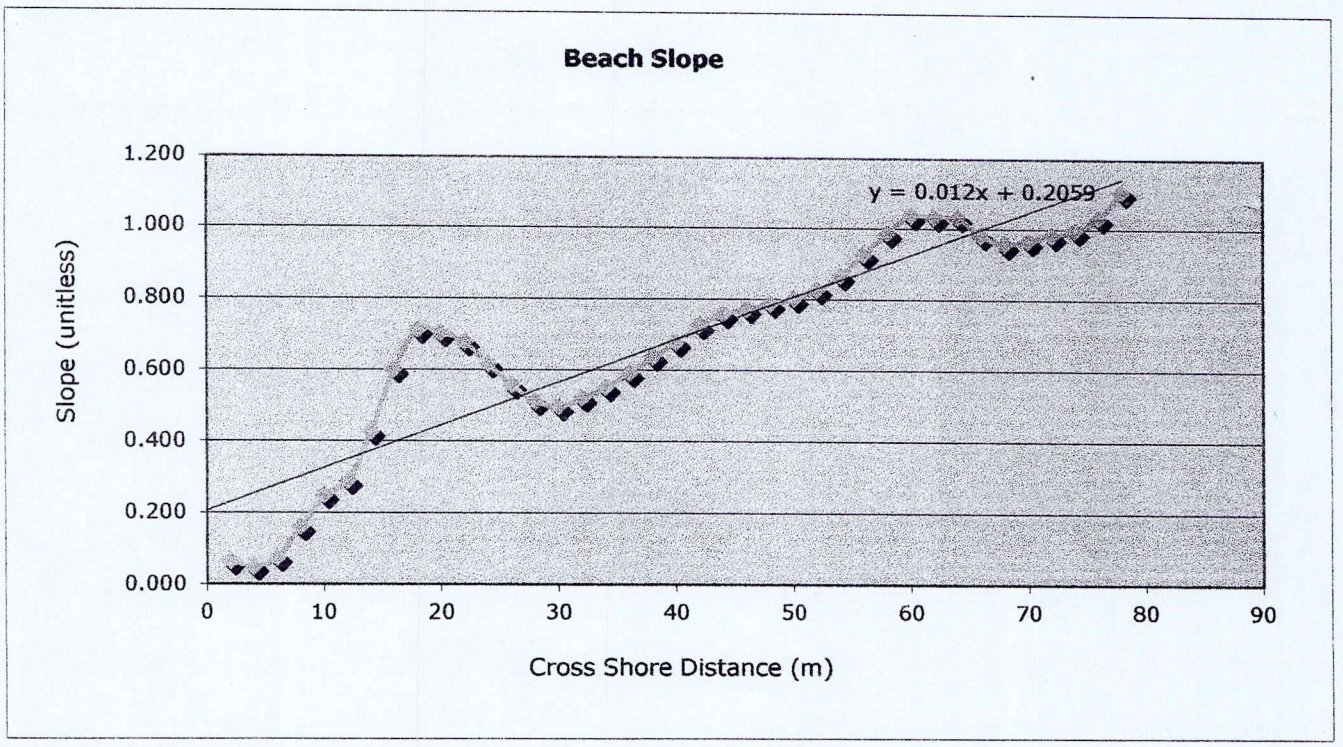
Location	Brgy. Claudio Salgado	Date	June 22, 2022
Coordinates	Transect 5	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	13	0.13	2	13	0.065
2	10	0.1	4	10	0.050
2	15	0.15	6	15	0.075
2	32	0.32	8	32	0.160
2	50	0.5	10	50	0.250
2	58	0.58	12	58	0.290
2	85.5	0.855	14	85.5	0.428
2	120.5	1.205	16	120.5	0.603
2	142.5	1.425	18	142.5	0.713
2	140.5	1.405	20	140.5	0.703
2	135.5	1.355	22	135.5	0.678
2	123.5	1.235	24	123.5	0.618
2	111.5	1.115	26	111.5	0.558
2	102.5	1.025	28	102.5	0.513
2	99.5	0.995	30	99.5	0.498
2	104.5	1.045	32	104.5	0.523
2	110.5	1.105	34	110.5	0.553
2	118.5	1.185	36	118.5	0.593
2	127.5	1.275	38	127.5	0.638
2	135.5	1.355	40	135.5	0.678
2	145.5	1.455	42	145.5	0.728
2	151.5	1.515	44	151.5	0.758
2	154.5	1.545	46	154.5	0.773
2	157.5	1.575	48	157.5	0.788
2	160.5	1.605	50	160.5	0.803
2	165.5	1.655	52	165.5	0.828
2	173.5	1.735	54	173.5	0.868
2	185.5	1.855	56	185.5	0.928
2	197.5	1.975	58	197.5	0.988
2	207.5	2.075	60	207.5	1.038
2	206.5	2.065	62	206.5	1.033
2	206.5	2.065	64	206.5	1.033
2	196.5	1.965	66	196.5	0.983
2	191.5	1.915	68	191.5	0.958
2	193.5	1.935	70	193.5	0.968
2	196.5	1.965	72	196.5	0.983
2	199.5	1.995	74	199.5	0.998
2	206.5	2.065	76	206.5	1.033
2	221.5	2.215	78	221.5	1.108

0.012
1.2

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 5-CLAUDIO SALGADO
Beach Elevation (cm)
250
200
150
100
50
0
0
10
20
30
40
50
60
70
80
90
Cross Shore Distance (m)


Beach Slope
Slope (unitless)
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.012x + 0.2059
0
10
20
30
40
50
60
70
80
90
Cross Shore Distance (m)

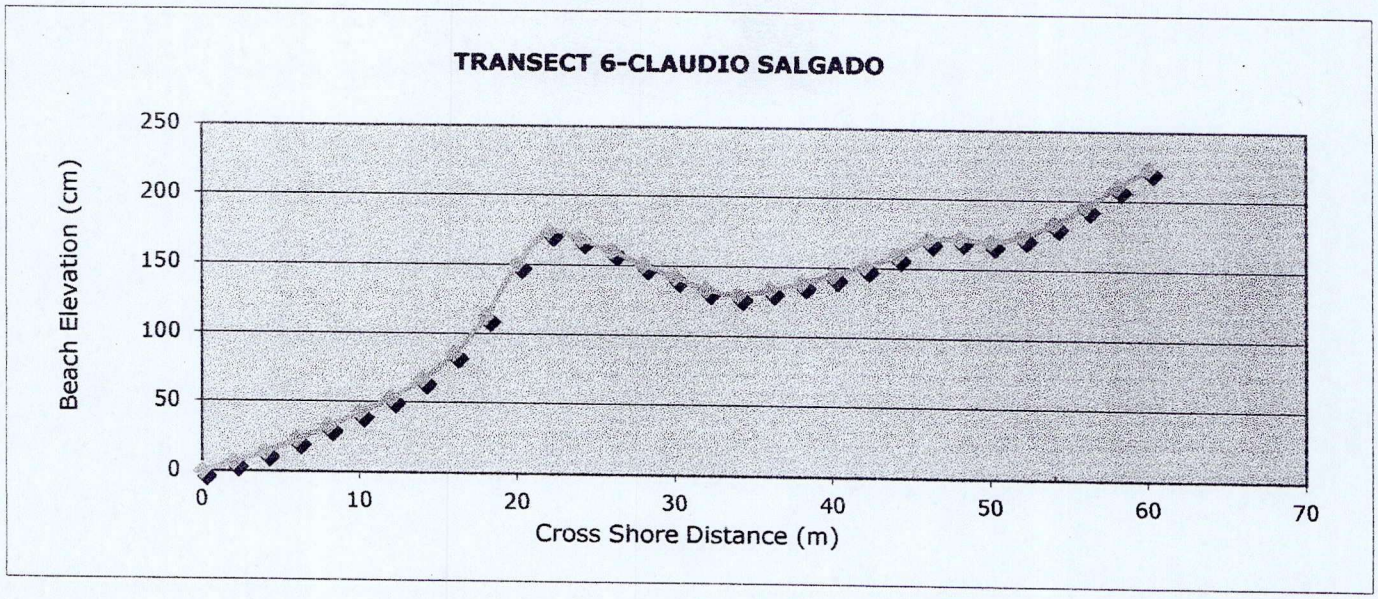
BEACH PROFILE

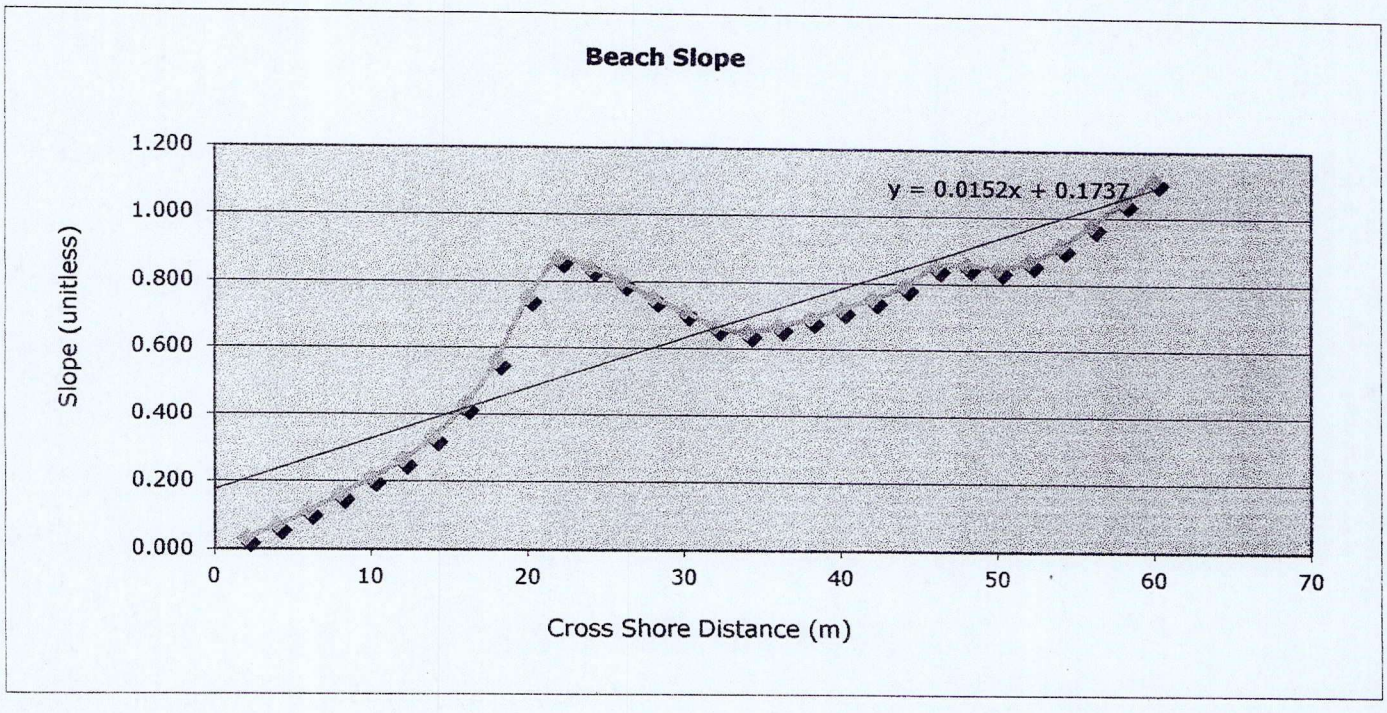
Location	Brgy. Claudio Salgado	Date	June 29, 2022
Coordinates	Transect 6	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	6.5	0.065	2	6.5	0.033
2	14	0.14	4	14	0.070
2	22.9	0.229	6	22.9	0.115
2	32.5	0.325	8	32.5	0.163
2	42.6	0.426	10	42.6	0.213
2	52.9	0.529	12	52.9	0.265
2	66.7	0.667	14	66.7	0.334
2	85.5	0.855	16	85.5	0.428
2	112.46	1.1246	18	112.46	0.562
2	150.76	1.5076	20	150.76	0.754
2	174.06	1.7406	22	174.06	0.870
2	168.96	1.6896	24	168.96	0.845
2	160.46	1.6046	26	160.46	0.802
2	150.76	1.5076	28	150.76	0.754
2	142.46	1.4246	30	142.46	0.712
2	133.66	1.3366	32	133.66	0.668
2	130.16	1.3016	34	130.16	0.651
2	134.16	1.3416	36	134.16	0.671
2	138.86	1.3886	38	138.86	0.694
2	144.86	1.4486	40	144.86	0.724
2	151.06	1.5106	42	151.06	0.755
2	159.26	1.5926	44	159.26	0.796
2	170.96	1.7096	46	170.96	0.855
2	171.96	1.7196	48	171.96	0.860
2	169.96	1.6996	50	169.96	0.850
2	174.46	1.7446	52	174.46	0.872
2	183.46	1.8346	54	183.46	0.917
2	195.96	1.9596	56	195.96	0.980
2	210.46	2.1046	58	210.46	1.052
2	223.46	2.2346	60	223.46	1.117

0.012
1.2

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 6-CLAUDIO SALGADO
Beach Elevation (cm)
250
200
150
100
50
0
0
10
20
30
40
50
60
70
Cross Shore Distance (m)


Beach Slope
Slope (unitless)
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0152x + 0.1737
0
10
20
30
40
50
60
70
Cross Shore Distance (m)

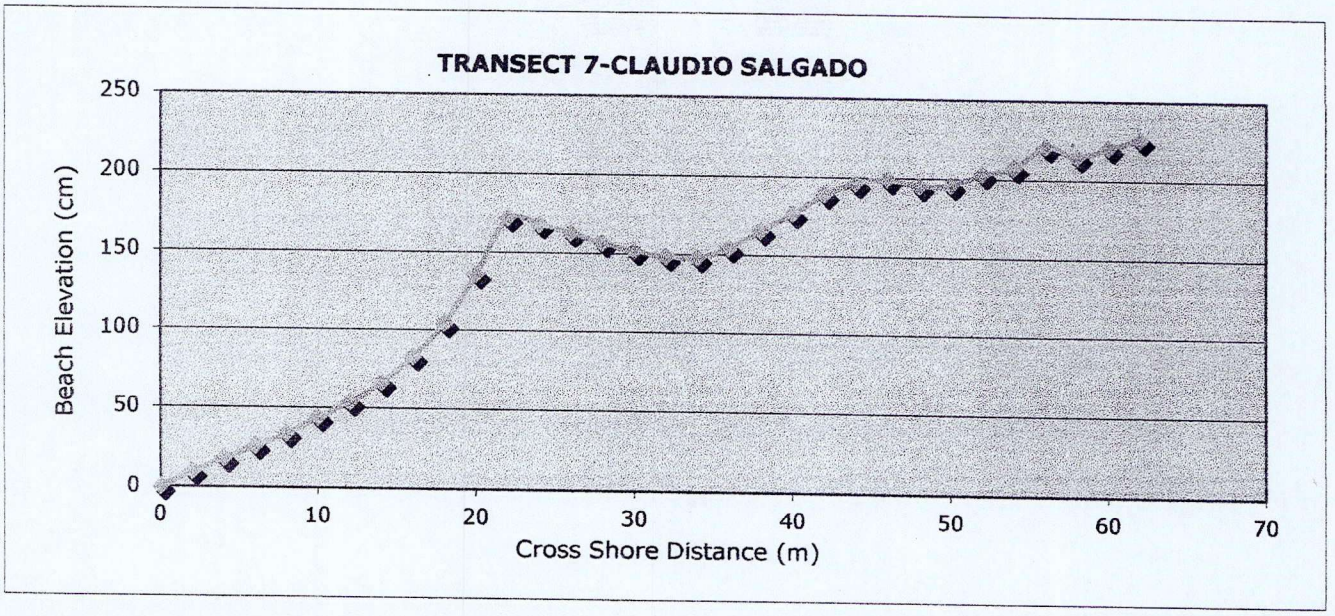
BEACH PROFILE

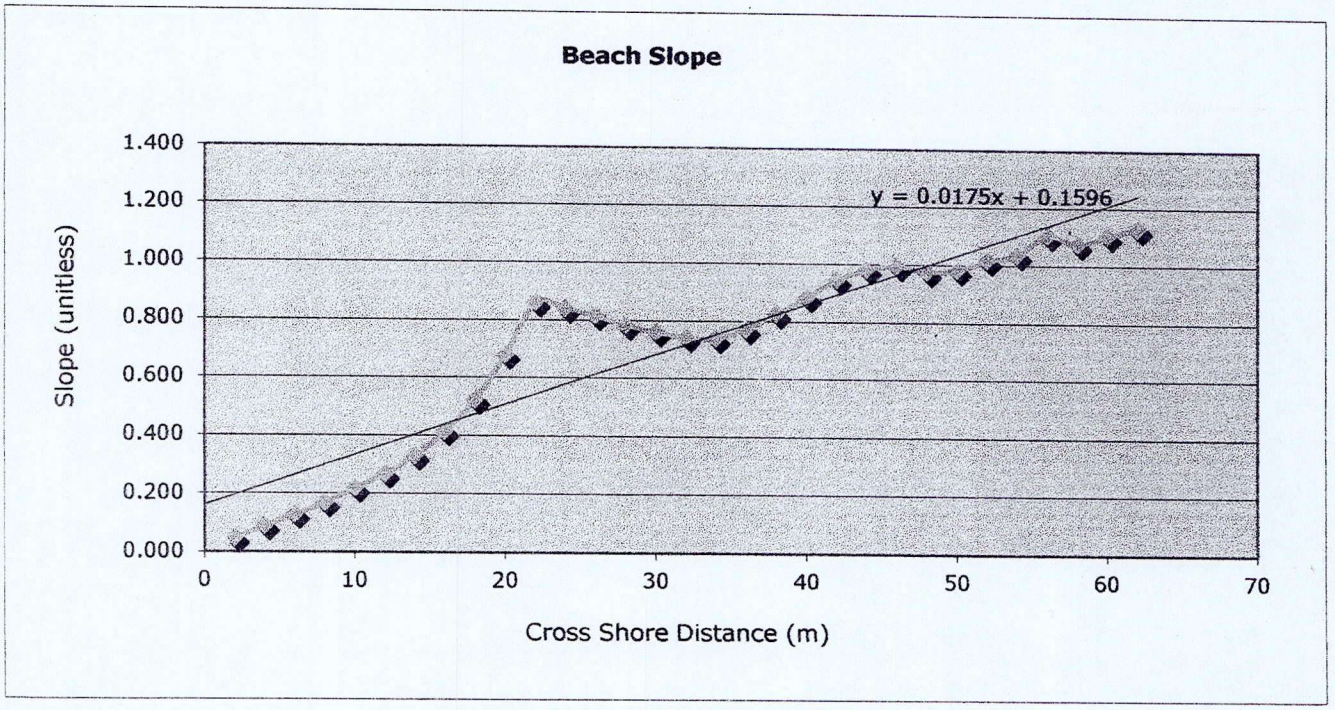
Location	Brgy. Claudio Salgado	Date	June 29, 2022
Coordinates	Transect 7	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	9.2	0.092	2	9.2	0.046
2	17.8	0.178	4	17.8	0.089
2	25.9	0.259	6	25.9	0.130
2	33.9	0.339	8	33.9	0.170
2	44	0.44	10	44	0.220
2	53.8	0.538	12	53.8	0.269
2	66.4	0.664	14	66.4	0.332
2	82.9	0.829	16	82.9	0.415
2	104.5	1.045	18	104.5	0.523
2	136	1.36	20	136	0.680
2	172.3	1.723	22	172.3	0.862
2	168.2	1.682	24	168.2	0.841
2	163.2	1.632	26	163.2	0.816
2	156.8	1.568	28	156.8	0.784
2	152.3	1.523	30	152.3	0.762
2	148.8	1.488	32	148.8	0.744
2	148.1	1.481	34	148.1	0.741
2	154.6	1.546	36	154.6	0.773
2	165.6	1.656	38	165.6	0.828
2	176.8	1.768	40	176.8	0.884
2	189.4	1.894	42	189.4	0.947
2	196.5	1.965	44	196.5	0.983
2	199.3	1.993	46	199.3	0.997
2	195.3	1.953	48	195.3	0.977
2	196.4	1.964	50	196.4	0.982
2	203.4	2.034	52	203.4	1.017
2	207.4	2.074	54	207.4	1.037
2	221.1	2.211	56	221.1	1.106
2	215.1	2.151	58	215.1	1.076
2	221.1	2.211	60	221.1	1.106
2	226.1	2.261	62	226.1	1.131

0.012
1.2

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 7-CLAUDIO SALGADO
Beach Elevation (cm)
250
200
150
100
50
0
0
10
20
30
40
50
60
70
Cross Shore Distance (m)


Beach Slope
Slope (unitless)
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0175x + 0.1596
0
10
20
30
40
50
60
70
Cross Shore Distance (m)

BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 28, 2022
Coordinates	Transect 8	Time	
Surveyor			

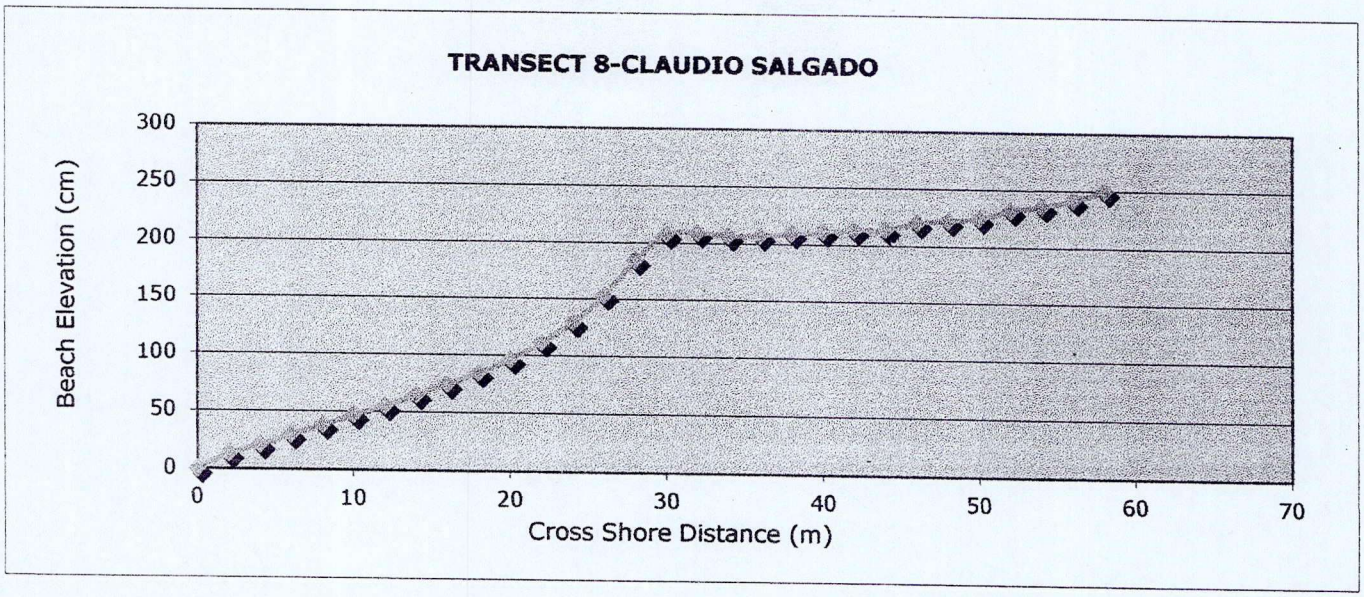
x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	13.1	0.131	2	13.1	0.066
2	21.1	0.211	4	21.1	0.106
2	29.6	0.296	6	29.6	0.148
2	38.6	0.386	8	38.6	0.193
2	47.2	0.472	10	47.2	0.236
2	55.4	0.554	12	55.4	0.277
2	64.9	0.649	14	64.9	0.325
2	74.2	0.742	16	74.2	0.371
2	84.4	0.844	18	84.4	0.422
2	96.4	0.964	20	96.4	0.482
2	111.9	1.119	22	111.9	0.560
2	129.4	1.294	24	129.4	0.647
2	153.4	1.534	26	153.4	0.767
2	184.9	1.849	28	184.9	0.925
2	207.9	2.079	30	207.9	1.040
2	209.4	2.094	32	209.4	1.047
2	207	2.07	34	207	1.035
2	207.5	2.075	36	207.5	1.038
2	209.6	2.096	38	209.6	1.048
2	211.6	2.116	40	211.6	1.058
2	213.6	2.136	42	213.6	1.068
2	214.1	2.141	44	214.1	1.071
2	220.6	2.206	46	220.6	1.103
2	222.9	2.229	48	222.9	1.115
2	225.1	2.251	50	225.1	1.126
2	232.4	2.324	52	232.4	1.162
2	236	2.36	54	236	1.180
2	242	2.42	56	242	1.210
2	250	2.5	58	250	1.250

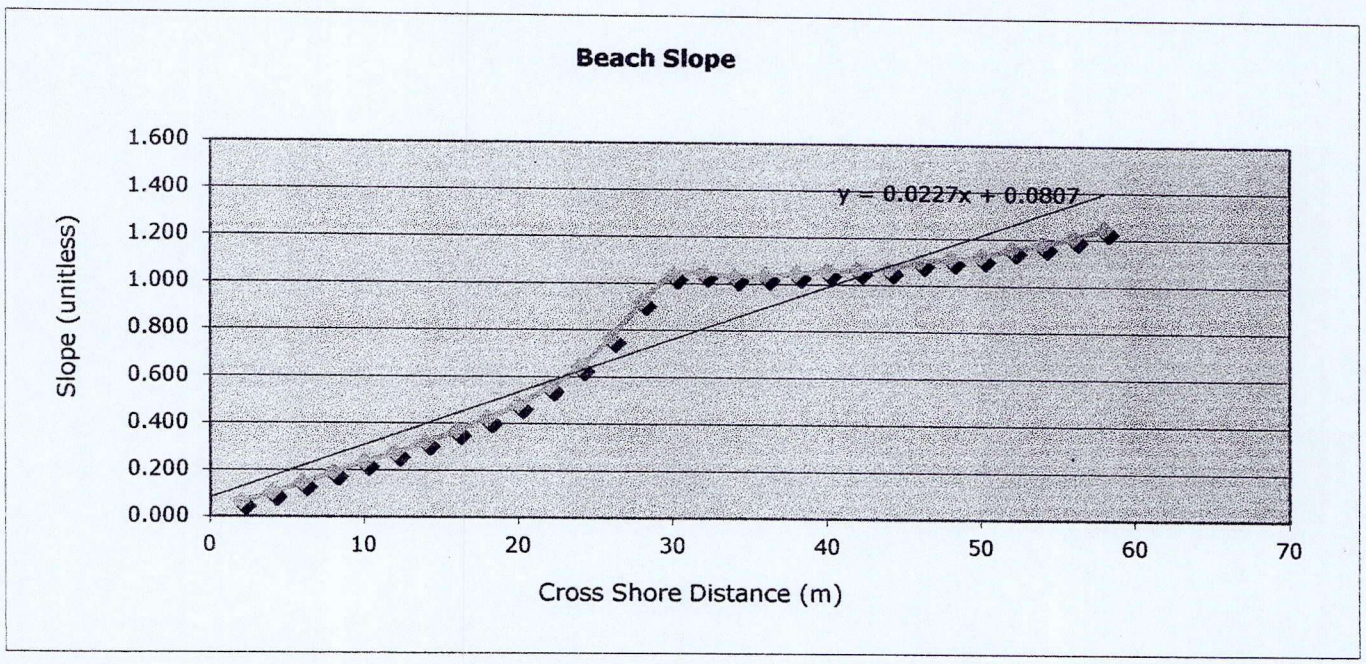
0.012
1.2

- Shaded columns represent calculations made after field data collection
- White columns represent measurements made in the field

2	256.5	2.565	86	256.5	1.283	
2	238.7	2.387	88	238.7	1.194	
2	242.6	2.426	90	242.6	1.213	
2	239.4	2.394	92	239.4	1.197	
2	243.4	2.434	94	243.4	1.217	
						0.012
						1.2

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field

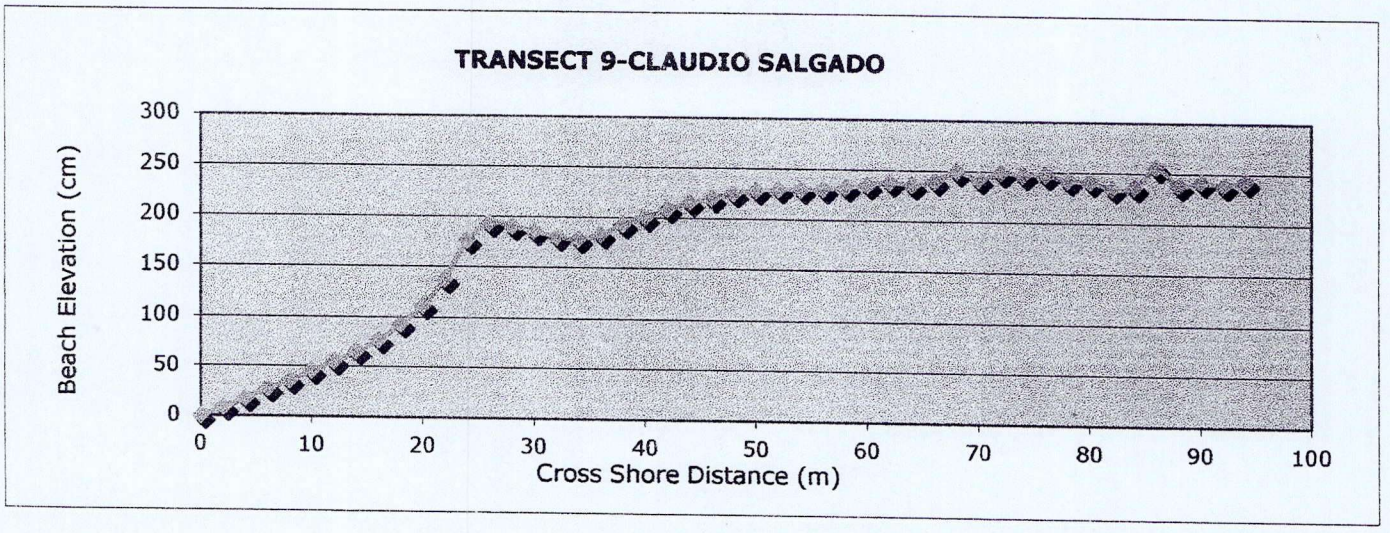

TRANSECT 8-CLAUDIO SALGADO
Beach Elevation (cm)
300
250
200
150
100
50
0
0
10
20
30
40
50
60
70
Cross Shore Distance (m)

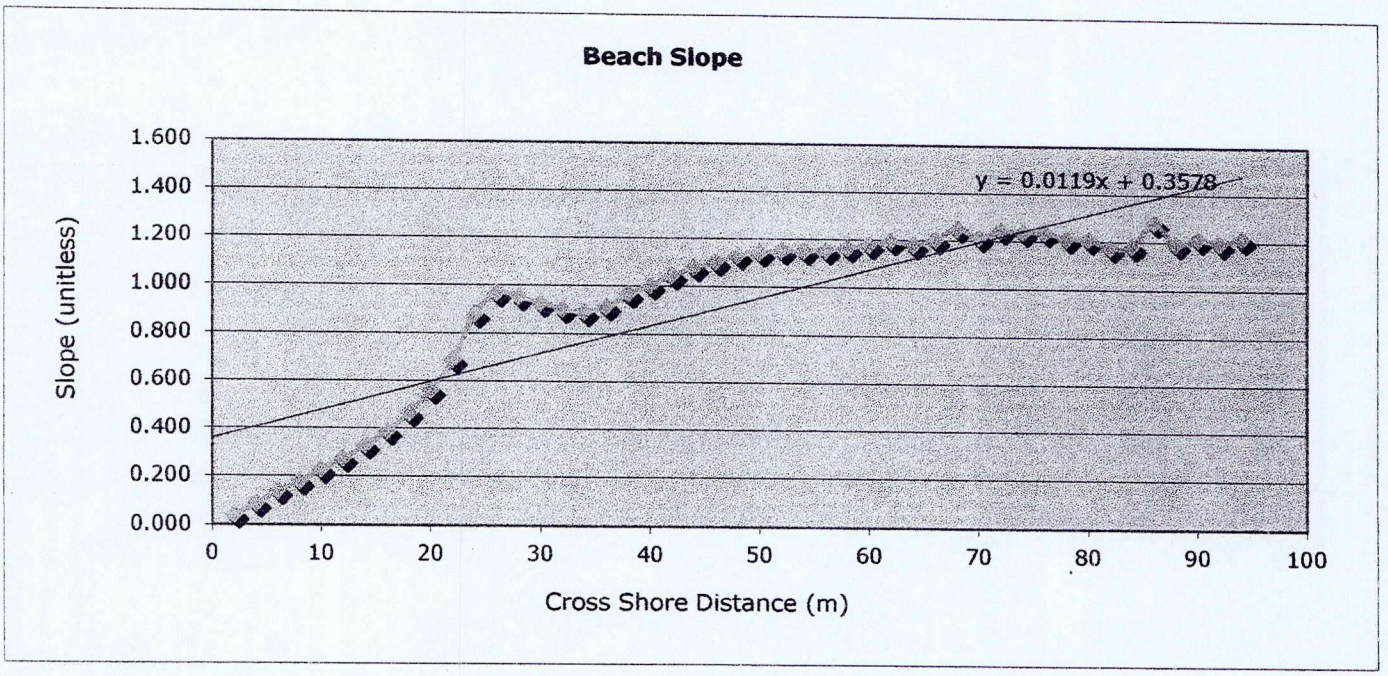

Beach Slope
Slope (unitless)
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0227x + 0.0807
0
10
20
30
40
50
60
70
Cross Shore Distance (m)

BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 29, 2022
Coordinates	Transect 9	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	8.4	0.084	2	8.4	0.042
2	17.8	0.178	4	17.8	0.089
2	27.8	0.278	6	27.8	0.139
2	35.8	0.358	8	35.8	0.179
2	45.4	0.454	10	45.4	0.227
2	54.9	0.549	12	54.9	0.275
2	65.9	0.659	14	65.9	0.330
2	77.6	0.776	16	77.6	0.388
2	93.2	0.932	18	93.2	0.466
2	112	1.12	20	112	0.560
2	137.8	1.378	22	137.8	0.689
2	176.3	1.763	24	176.3	0.882
2	193.9	1.939	26	193.9	0.970
2	190.7	1.907	28	190.7	0.954
2	185.7	1.857	30	185.7	0.929
2	180.7	1.807	32	180.7	0.904
2	178.2	1.782	34	178.2	0.891
2	183.2	1.832	36	183.2	0.916
2	193.8	1.938	38	193.8	0.969
2	200.9	2.009	40	200.9	1.005
2	209.4	2.094	42	209.4	1.047
2	215.8	2.158	44	215.8	1.079
2	220.5	2.205	46	220.5	1.103
2	225.8	2.258	48	225.8	1.129
2	228.7	2.287	50	228.7	1.144
2	230.2	2.302	52	230.2	1.151
2	230.2	2.302	54	230.2	1.151
2	230.7	2.307	56	230.7	1.154
2	233.2	2.332	58	233.2	1.166
2	235.7	2.357	60	235.7	1.179
2	239	2.39	62	239	1.195
2	236	2.36	64	236	1.180
2	240.6	2.406	66	240.6	1.203
2	250.1	2.501	68	250.1	1.251
2	242.6	2.426	70	242.6	1.213
2	249.2	2.492	72	249.2	1.246
2	247.4	2.474	74	247.4	1.237
2	247.8	2.478	76	247.8	1.239
2	242.3	2.423	78	242.3	1.212
2	241.7	2.417	80	241.7	1.209
2	235.1	2.351	82	235.1	1.176
2	236.5	2.365	84	236.5	1.183


TRANSECT 9-CLAUDIO SALGADO
Beach Elevation (cm)
300
250
200
150
100
50
0
0
10
20
30
40
50
60
70
80
90
100
Cross Shore Distance (m)


Beach Slope
Slope (unitless)
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0119x + 0.3578
0
10
20
30
40
50
60
70
80
90
100
Cross Shore Distance (m)

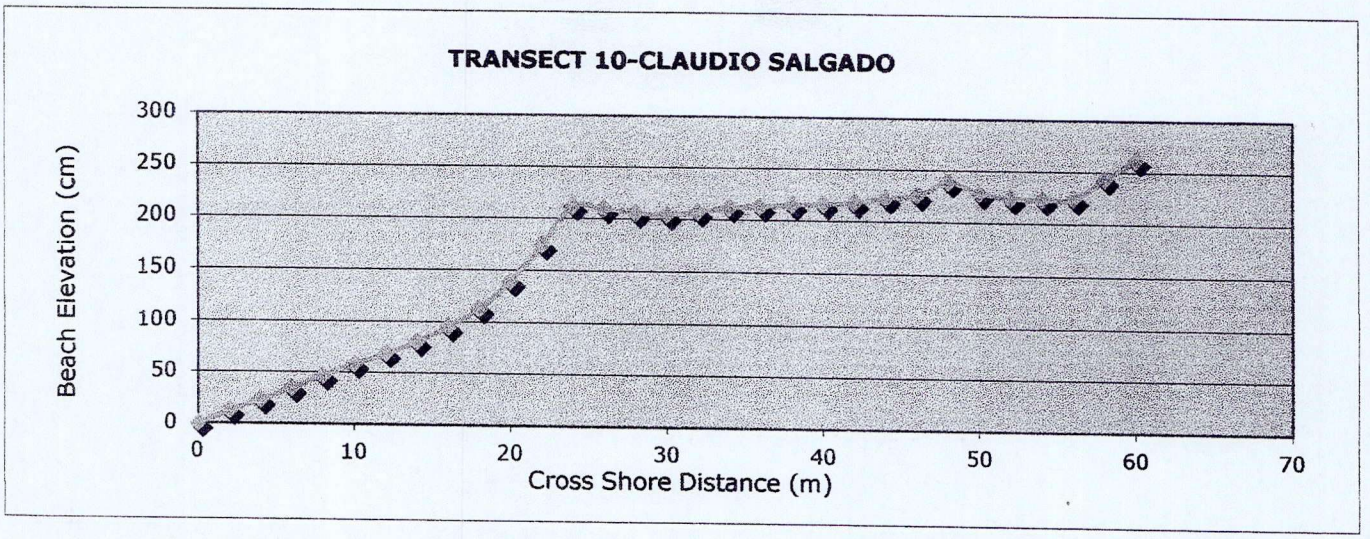
BEACH PROFILE

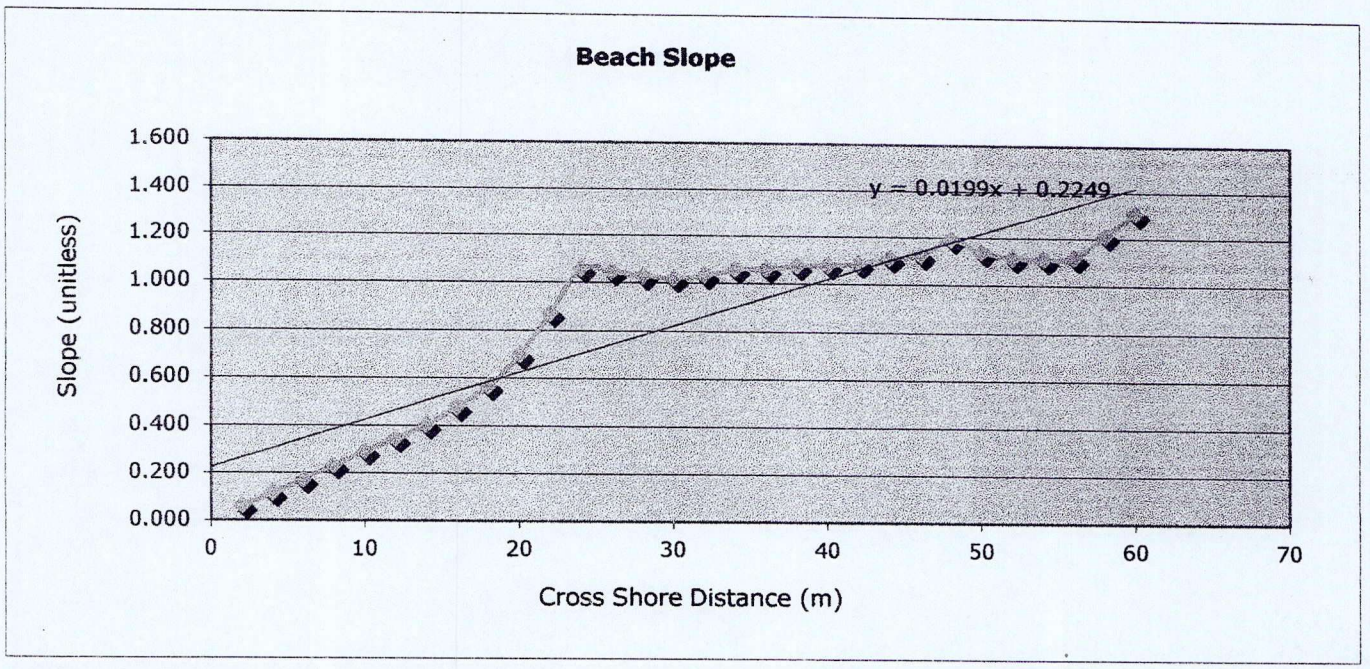
Location	Brgy. Claudio Salgado	Date	June 29, 2022
Coordinates	Transect 10	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	12.6	0.126	2	12.6	0.063
2	23.1	0.231	4	23.1	0.116
2	34.5	0.345	6	34.5	0.173
2	46.6	0.466	8	46.6	0.233
2	58.6	0.586	10	58.6	0.293
2	69.5	0.695	12	69.5	0.348
2	81	0.81	14	81	0.405
2	95.6	0.956	16	95.6	0.478
2	113	1.13	18	113	0.565
2	139.4	1.394	20	139.4	0.697
2	174.6	1.746	22	174.6	0.873
2	212.1	2.121	24	212.1	1.061
2	209.9	2.099	26	209.9	1.050
2	206	2.06	28	206	1.030
2	204.4	2.044	30	204.4	1.022
2	207.2	2.072	32	207.2	1.036
2	212.2	2.122	34	212.2	1.061
2	212.95	2.1295	36	212.95	1.065
2	215.35	2.1535	38	215.35	1.077
2	216.35	2.1635	40	216.35	1.082
2	217.95	2.1795	42	217.95	1.090
2	222.45	2.2245	44	222.45	1.112
2	225.45	2.2545	46	225.45	1.127
2	238.85	2.3885	48	238.85	1.194
2	228.25	2.2825	50	228.25	1.141
2	223.65	2.2365	52	223.65	1.118
2	222.75	2.2275	54	222.75	1.114
2	224.15	2.2415	56	224.15	1.121
2	243.15	2.4315	58	243.15	1.216
2	262.25	2.6225	60	262.25	1.311

0.012
1.2

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 10-CLAUDIO SALGADO
Beach Elevation (cm)
300
250
200
150
100
50
0
0
10
20
30
40
50
60
70
Cross Shore Distance (m)


Beach Slope
Slope (unitless)
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0199x + 0.2249
0
10
20
30
40
50
60
70
Cross Shore Distance (m)

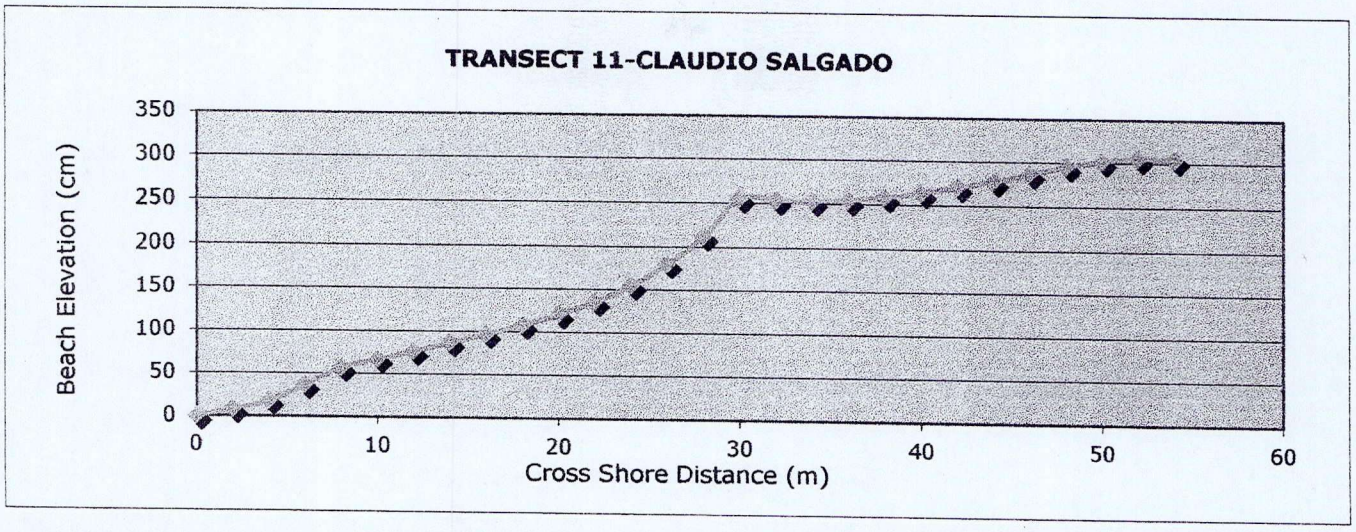
BEACH PROFILE

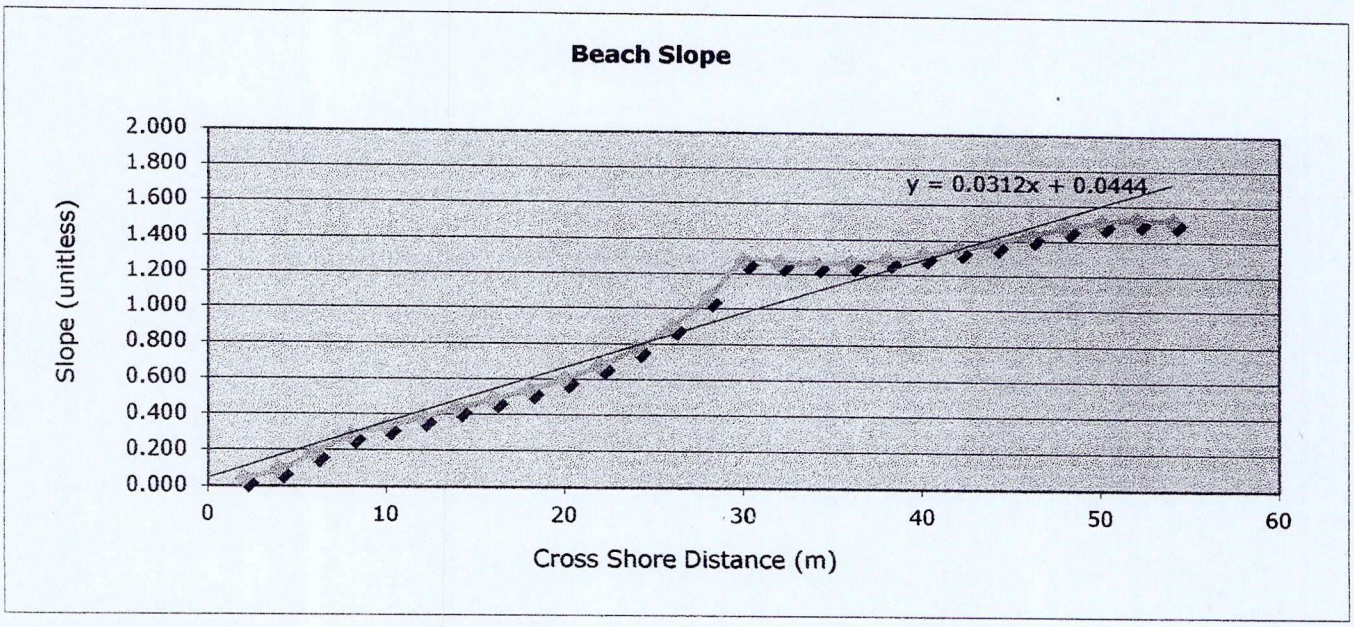
Location	Brgy. Claudio Salgado	Date	June 29, 2022
Coordinates	Transect 11	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	8.2	0.082	2	8.2	0.041
2	18.3	0.183	4	18.3	0.092
2	36.8	0.368	6	36.8	0.184
2	56.8	0.568	8	56.8	0.284
2	67.3	0.673	10	67.3	0.337
2	76.8	0.768	12	76.8	0.384
2	87.3	0.873	14	87.3	0.437
2	97.5	0.975	16	97.5	0.488
2	108.5	1.085	18	108.5	0.543
2	121	1.21	20	121	0.605
2	136.2	1.362	22	136.2	0.681
2	155.3	1.553	24	155.3	0.777
2	180.5	1.805	26	180.5	0.903
2	212.6	2.126	28	212.6	1.063
2	256.1	2.561	30	256.1	1.281
2	254.1	2.541	32	254.1	1.271
2	253.2	2.532	34	253.2	1.266
2	254.7	2.547	36	254.7	1.274
2	258.8	2.588	38	258.8	1.294
2	264	2.64	40	264	1.320
2	271.5	2.715	42	271.5	1.358
2	278.2	2.782	44	278.2	1.391
2	287.3	2.873	46	287.3	1.437
2	296.3	2.963	48	296.3	1.482
2	302.3	3.023	50	302.3	1.512
2	305.8	3.058	52	305.8	1.529
2	304.9	3.049	54	304.9	1.525

0.012
1.2

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 11-CLAUDIO SALGADO
Beach Elevation (cm)
350
300
250
200
150
100
50
0
0
10
20
30
40
50
60
Cross Shore Distance (m)

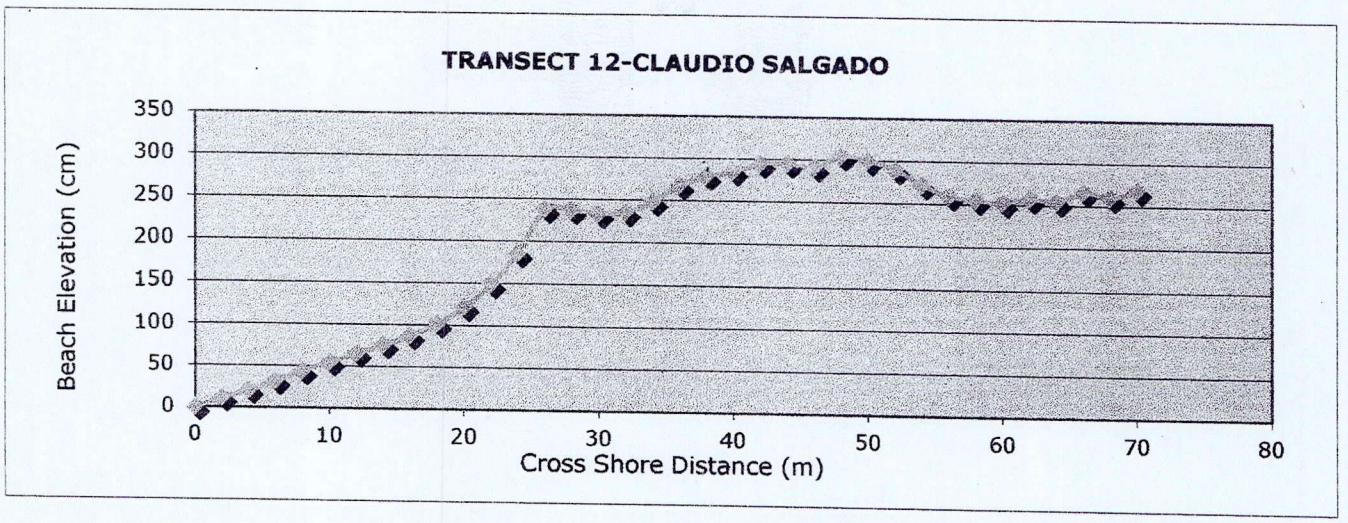

Beach Slope
Slope (unitless)
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0312x + 0.0444
0
10
20
30
40
50
60
Cross Shore Distance (m)

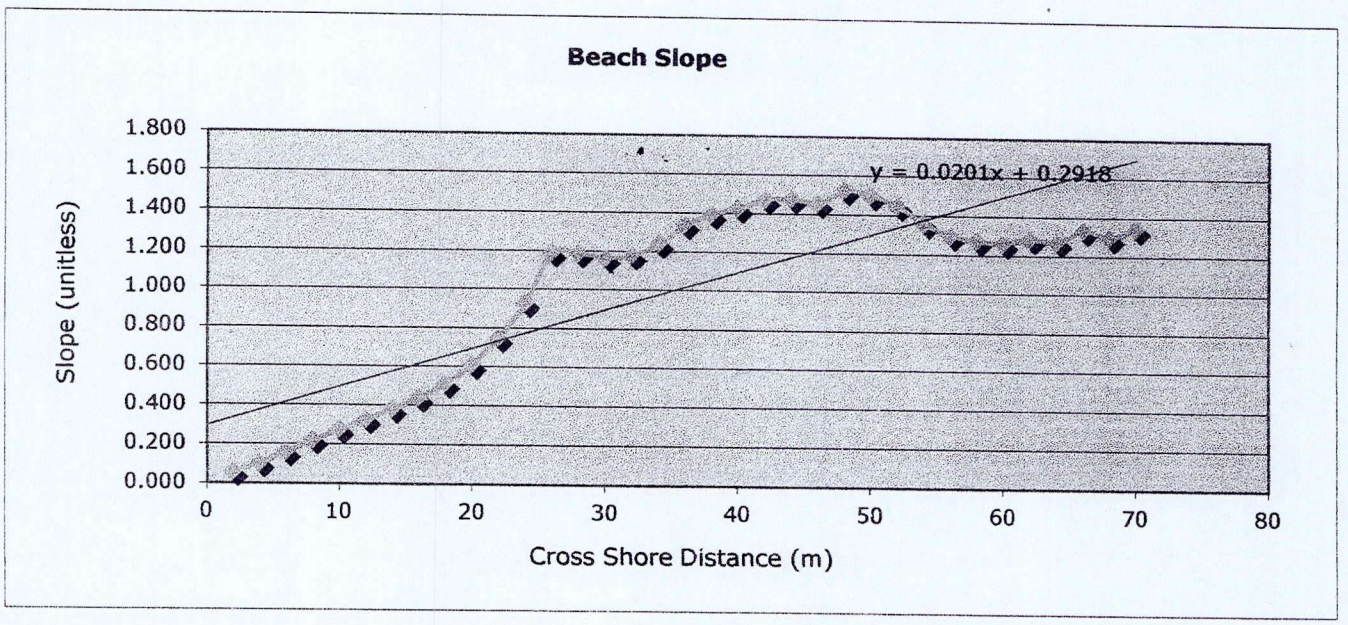
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 29, 2022
Coordinates	Transect 12	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	11.6	0.116	2	11.6	0.058
2	20.8	0.208	4	20.8	0.104
2	32.2	0.322	6	32.2	0.161
2	44.2	0.442	8	44.2	0.221
2	55.2	0.552	10	55.2	0.276
2	65.7	0.657	12	65.7	0.329
2	76.7	0.767	14	76.7	0.384
2	87.7	0.877	16	87.7	0.439
2	102.4	1.024	18	102.4	0.512
2	122.1	1.221	20	122.1	0.611
2	149.6	1.496	22	149.6	0.748
2	185.7	1.857	24	185.7	0.929
2	238.2	2.382	26	238.2	1.191
2	238	2.38	28	238	1.190
2	233.7	2.337	30	233.7	1.169
2	236	2.36	32	236	1.180
2	248.4	2.484	34	248.4	1.242
2	268	2.68	36	268	1.340
2	279	2.79	38	279	1.395
2	285.7	2.857	40	285.7	1.429
2	295	2.95	42	295	1.475
2	295.7	2.957	44	295.7	1.479
2	291.3	2.913	46	291.3	1.457
2	305	3.05	48	305	1.525
2	300.1	3.001	50	300.1	1.501
2	289.8	2.898	52	289.8	1.449
2	272.2	2.722	54	272.2	1.361
2	259.8	2.598	56	259.8	1.299
2	255.2	2.552	58	255.2	1.276
2	253	2.53	60	253	1.265
2	258.1	2.581	62	258.1	1.291
2	255.1	2.551	64	255.1	1.276
2	266.9	2.669	66	266.9	1.335
2	260.3	2.603	68	260.3	1.302
2	269.2	2.692	70	269.2	1.346

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 12-CLAUDIO SALGADO
Beach Elevation (cm)
350
300
250
200
150
100
50
0
0
10
20
30
40
50
60
70
80
Cross Shore Distance (m)

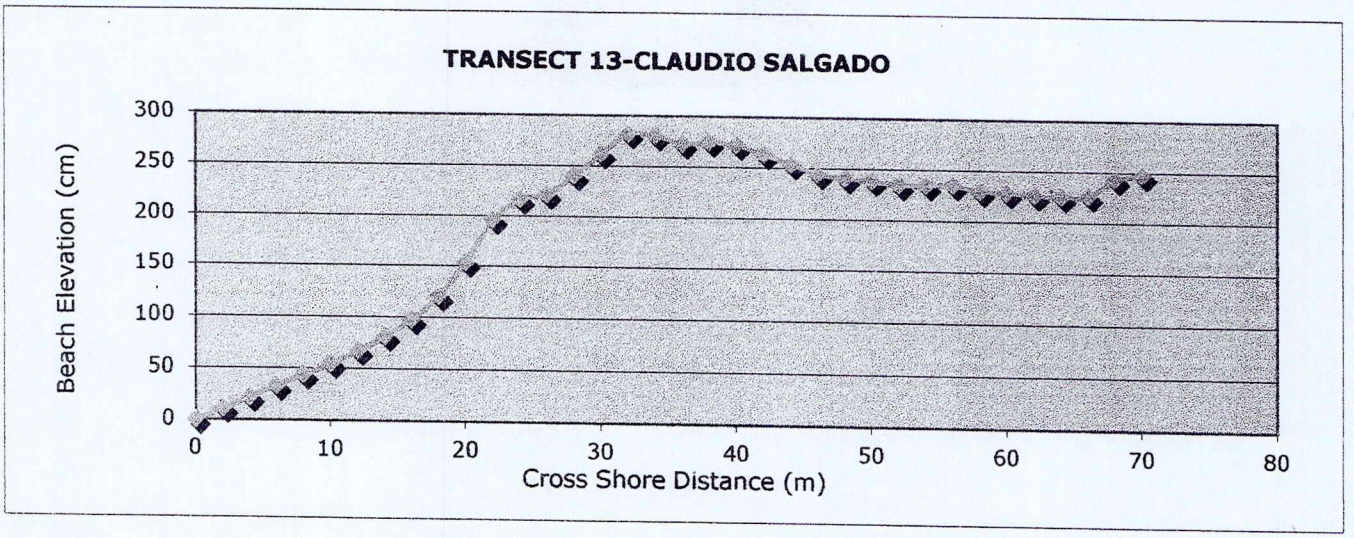

Beach Slope
Slope (unitless)
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0201x + 0.2918
0
10
20
30
40
50
60
70
80
Cross Shore Distance (m)

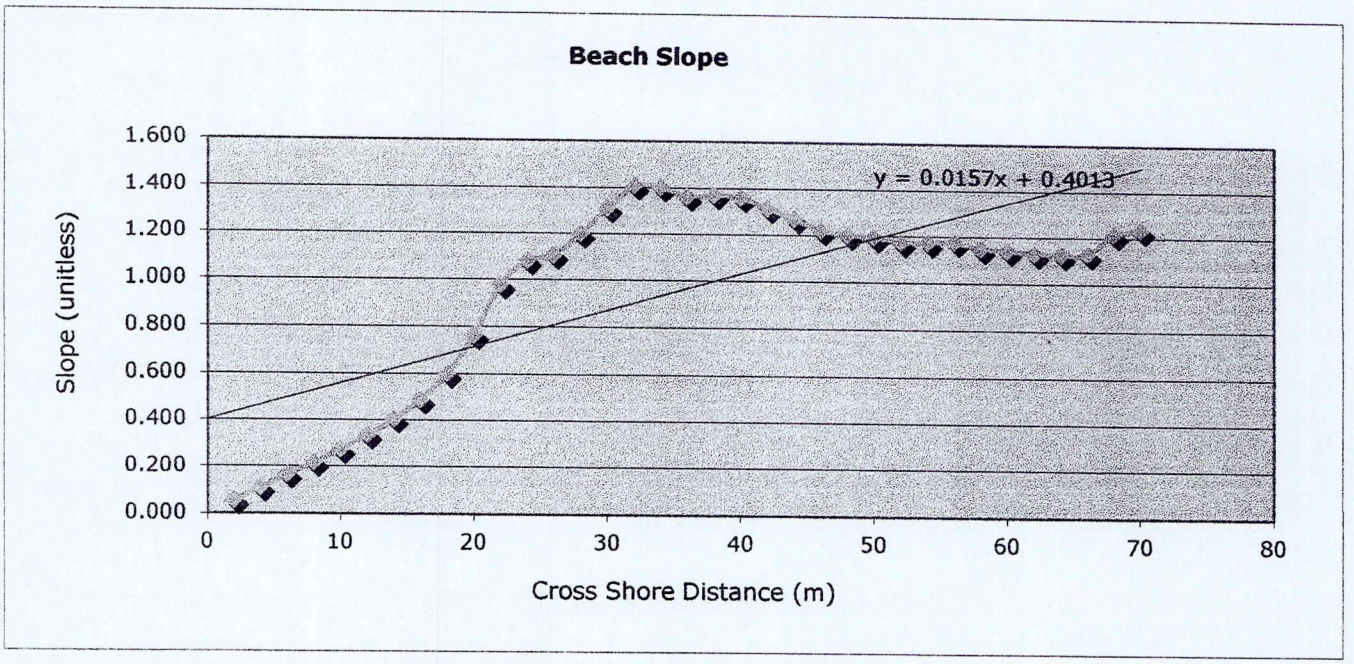
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 29, 2022
Coordinates	Transect 13	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	11.1	0.111	2	11.1	0.056
2	22.1	0.221	4	22.1	0.111
2	33.1	0.331	6	33.1	0.166
2	43.6	0.436	8	43.6	0.218
2	54.6	0.546	10	54.6	0.273
2	67.1	0.671	12	67.1	0.336
2	81.2	0.812	14	81.2	0.406
2	97.7	0.977	16	97.7	0.489
2	120.2	1.202	18	120.2	0.601
2	153.2	1.532	20	153.2	0.766
2	195.7	1.957	22	195.7	0.979
2	216.3	2.163	24	216.3	1.082
2	221.55	2.2155	26	221.55	1.108
2	239.95	2.3995	28	239.95	1.200
2	261.95	2.6195	30	261.95	1.310
2	281.95	2.8195	32	281.95	1.410
2	280.45	2.8045	34	280.45	1.402
2	272.65	2.7265	36	272.65	1.363
2	274.4	2.744	38	274.4	1.372
2	271.9	2.719	40	271.9	1.360
2	263	2.63	42	263	1.315
2	254	2.54	44	254	1.270
2	244.4	2.444	46	244.4	1.222
2	240.7	2.407	48	240.7	1.204
2	238.7	2.387	50	238.7	1.194
2	235	2.35	52	235	1.175
2	235	2.35	54	235	1.175
2	235.5	2.355	56	235.5	1.178
2	230	2.3	58	230	1.150
2	228.7	2.287	60	228.7	1.144
2	226.5	2.265	62	226.5	1.133
2	225.5	2.255	64	225.5	1.128
2	226.5	2.265	66	226.5	1.133
2	243.25	2.4325	68	243.25	1.216
2	247.35	2.4735	70	247.35	1.237

	- Shaded columns represent calculations made after field data collecti
	- White columns represent measurements made in the field


TRANSECT 13-CLAUDIO SALGADO
Beach Elevation (cm)
300
250
200
150
100
50
0
0
10
20
30
40
50
60
70
80
Cross Shore Distance (m)


Beach Slope
Slope (unitless)
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0157x + 0.4013
0
10
20
30
40
50
60
70
80
Cross Shore Distance (m)

BEACH PROFILE

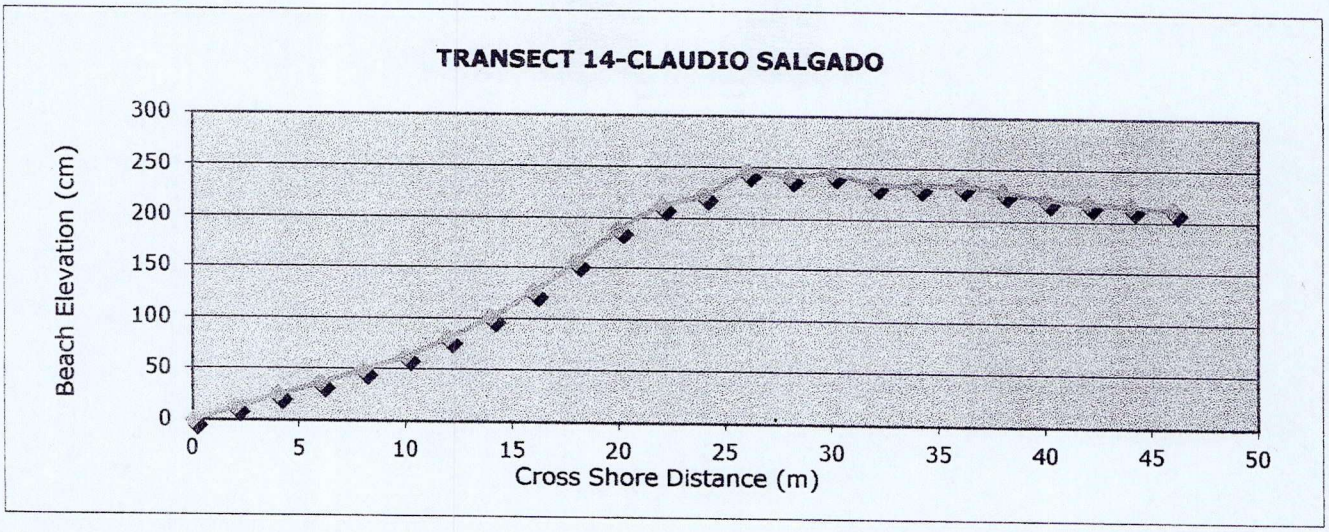
Location Brgy. Claudio Salgado Date June 29, 2022

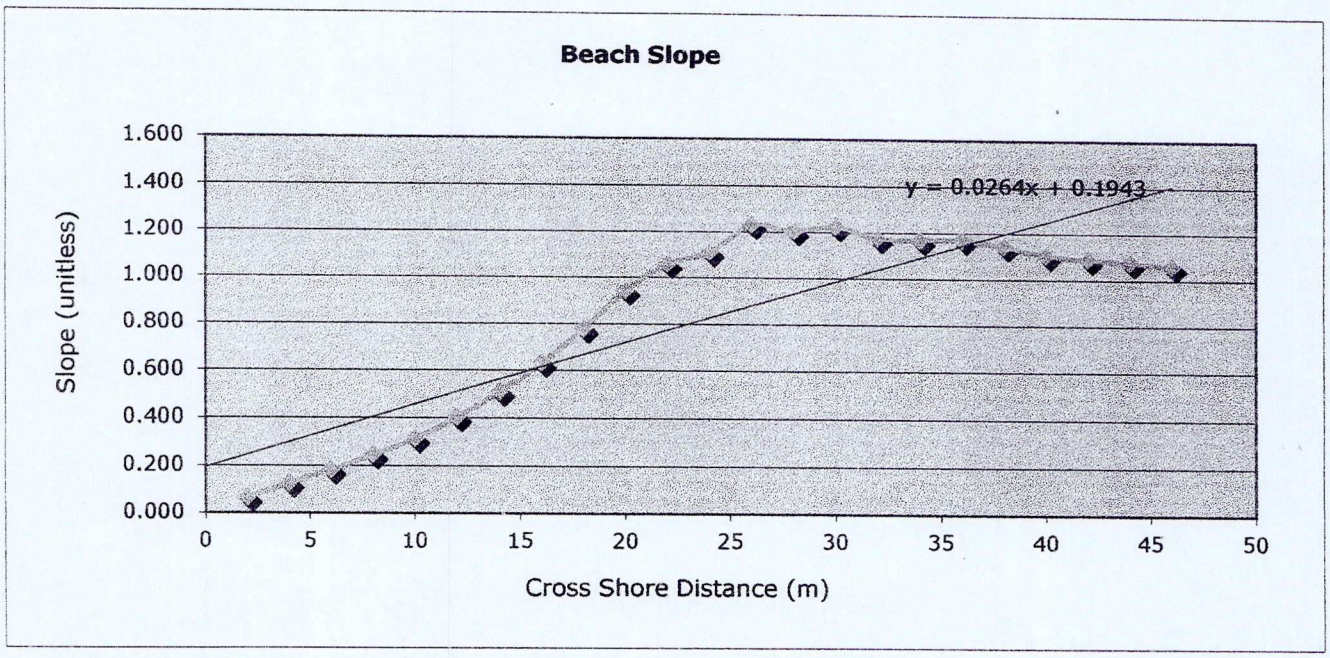
Coordinates Transect 14 Time

Surveyor

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	13	0.13	2	13	0.065
2	25	0.25	4	25	0.125
2	36.5	0.365	6	36.5	0.183
2	49.5	0.495	8	49.5	0.248
2	63.1	0.631	10	63.1	0.316
2	81.1	0.811	12	81.1	0.406
2	102.1	1.021	14	102.1	0.511
2	126.6	1.266	16	126.6	0.633
2	156	1.56	18	156	0.780
2	189	1.89	20	189	0.945
2	212	2.12	22	212	1.060
2	222.4	2.224	24	222.4	1.112
2	246.4	2.464	26	246.4	1.232
2	241.4	2.414	28	241.4	1.207
2	245.4	2.454	30	245.4	1.227
2	235.2	2.352	32	235.2	1.176
2	234	2.34	34	234	1.170
2	234.5	2.345	36	234.5	1.173
2	228.8	2.288	38	228.8	1.144
2	221.4	2.214	40	221.4	1.107
2	218.2	2.182	42	218.2	1.091
2	215.6	2.156	44	215.6	1.078
2	212.4	2.124	46	212.4	1.062

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 14-CLAUDIO SALGADO
Beach Elevation (cm)
300
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
50
Cross Shore Distance (m)

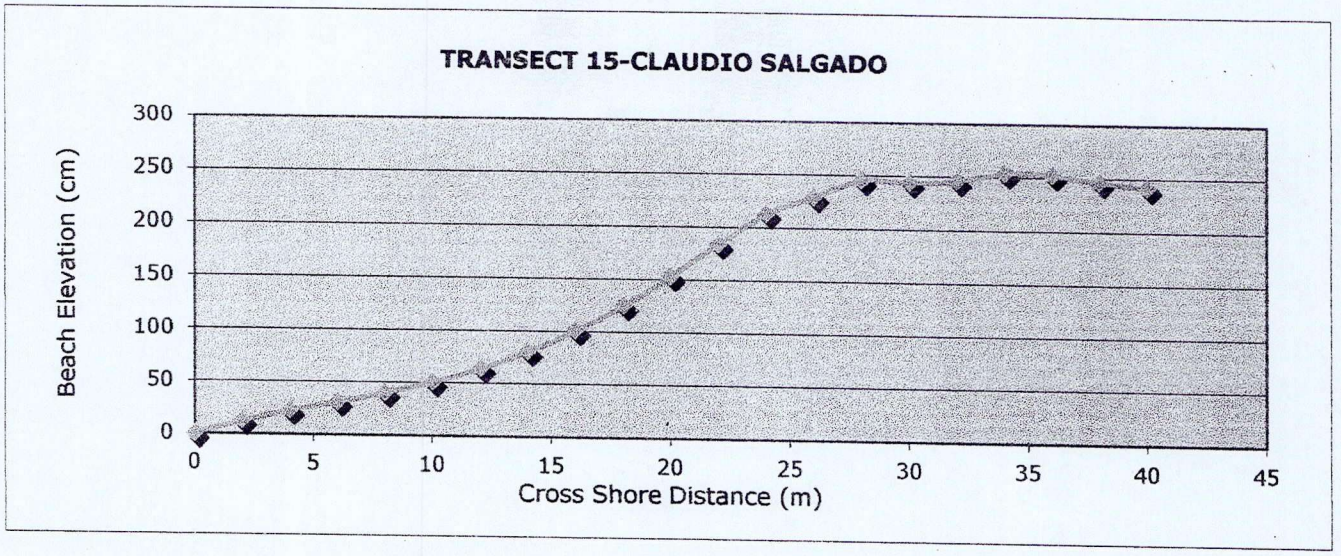

Beach Slope
Slope (unitless)
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0264x + 0.1943
0
5
10
15
20
25
30
35
40
45
50
Cross Shore Distance (m)

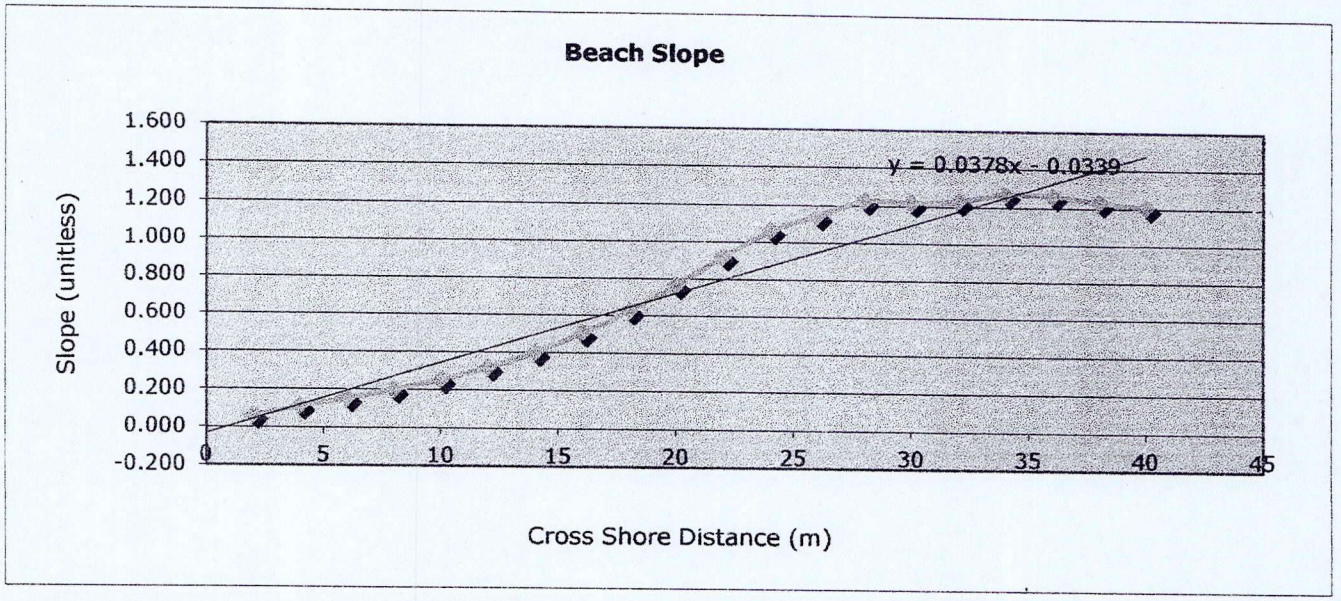
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 30, 2022
Coordinates	Transect 15	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	12.7	0.127	2	12.7	0.064
2	22.8	0.228	4	22.8	0.114
2	31.4	0.314	6	31.4	0.157
2	40.3	0.403	8	40.3	0.202
2	50.9	0.509	10	50.9	0.255
2	64.1	0.641	12	64.1	0.321
2	80.7	0.807	14	80.7	0.404
2	101.2	1.012	16	101.2	0.506
2	125.2	1.252	18	125.2	0.626
2	153.6	1.536	20	153.6	0.768
2	184	1.84	22	184	0.920
2	213.2	2.132	24	213.2	1.066
2	229.2	2.292	26	229.2	1.146
2	245.7	2.457	28	245.7	1.229
2	244.1	2.441	30	244.1	1.221
2	246.4	2.464	32	246.4	1.232
2	254.4	2.544	34	254.4	1.272
2	252.9	2.529	36	252.9	1.265
2	246.6	2.466	38	246.6	1.233
2	241.6	2.416	40	241.6	1.208

	- Shaded columns represent calculations made after field data collectior
	- White columns represent measurements made in the field


TRANSECT 15-CLAUDIO SALGADO
Beach Elevation (cm)
300
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
Cross Shore Distance (m)

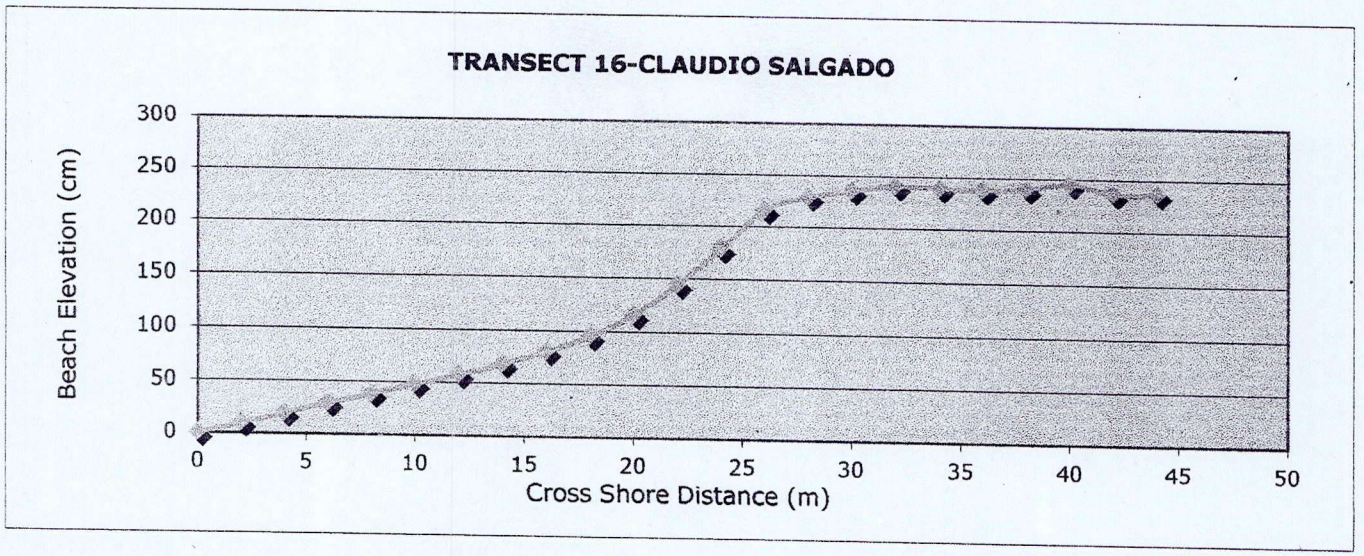

Beach Slope
Slope (unitless)
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
y = 0.0378x - 0.0339
0
5
10
15
20
25
30
35
40
45
Cross Shore Distance (m)

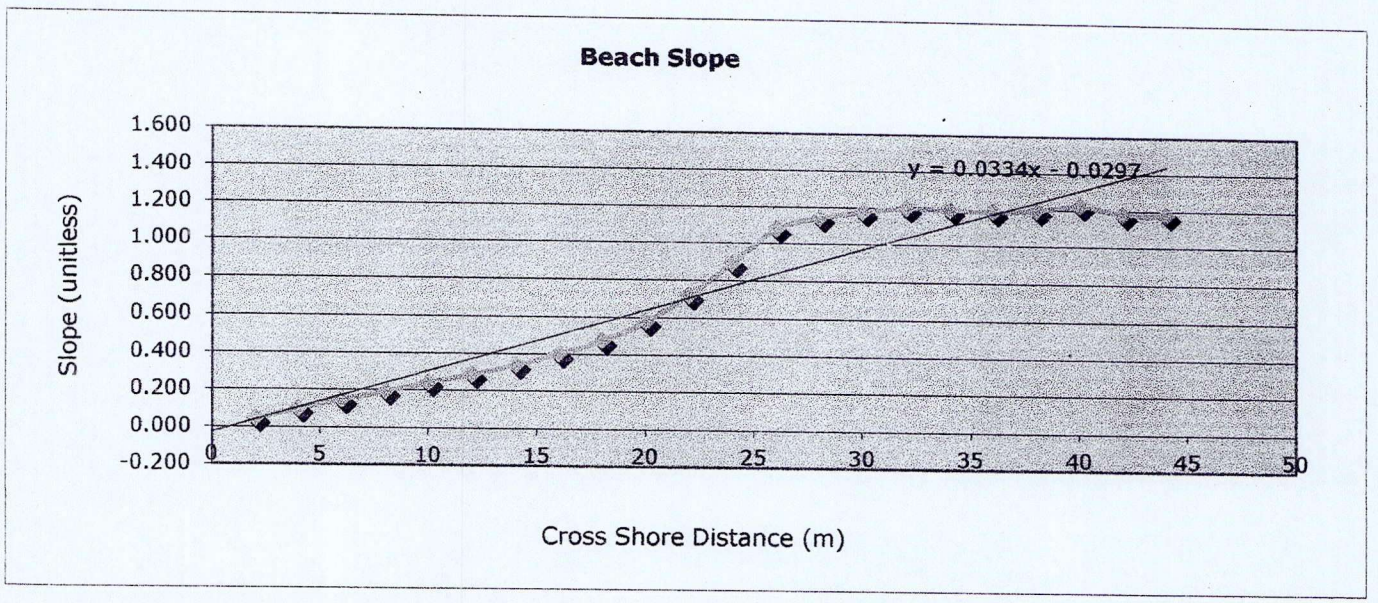
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 30, 2022
Coordinates	Transect 16	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	9.6	0.096	2	9.6	0.048
2	20.2	0.202	4	20.2	0.101
2	30	0.3	6	30	0.150
2	39.2	0.392	8	39.2	0.196
2	48.9	0.489	10	48.9	0.245
2	57.9	0.579	12	57.9	0.290
2	68.6	0.686	14	68.6	0.343
2	80.8	0.808	16	80.8	0.404
2	95.3	0.953	18	95.3	0.477
2	116	1.16	20	116	0.580
2	144.6	1.446	22	144.6	0.723
2	178.6	1.786	24	178.6	0.893
2	216.1	2.161	26	216.1	1.081
2	229.4	2.294	28	229.4	1.147
2	235.9	2.359	30	235.9	1.180
2	241.2	2.412	32	241.2	1.206
2	239.2	2.392	34	239.2	1.196
2	238.2	2.382	36	238.2	1.191
2	240.1	2.401	38	240.1	1.201
2	245.6	2.456	40	245.6	1.228
2	236.4	2.364	42	236.4	1.182
2	236.7	2.367	44	236.7	1.184

	- Shaded columns represent calculations made after field data collecti
	- White columns represent measurements made in the field


TRANSECT 16-CLAUDIO SALGADO
Beach Elevation (cm)
300
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
50
Cross Shore Distance (m)

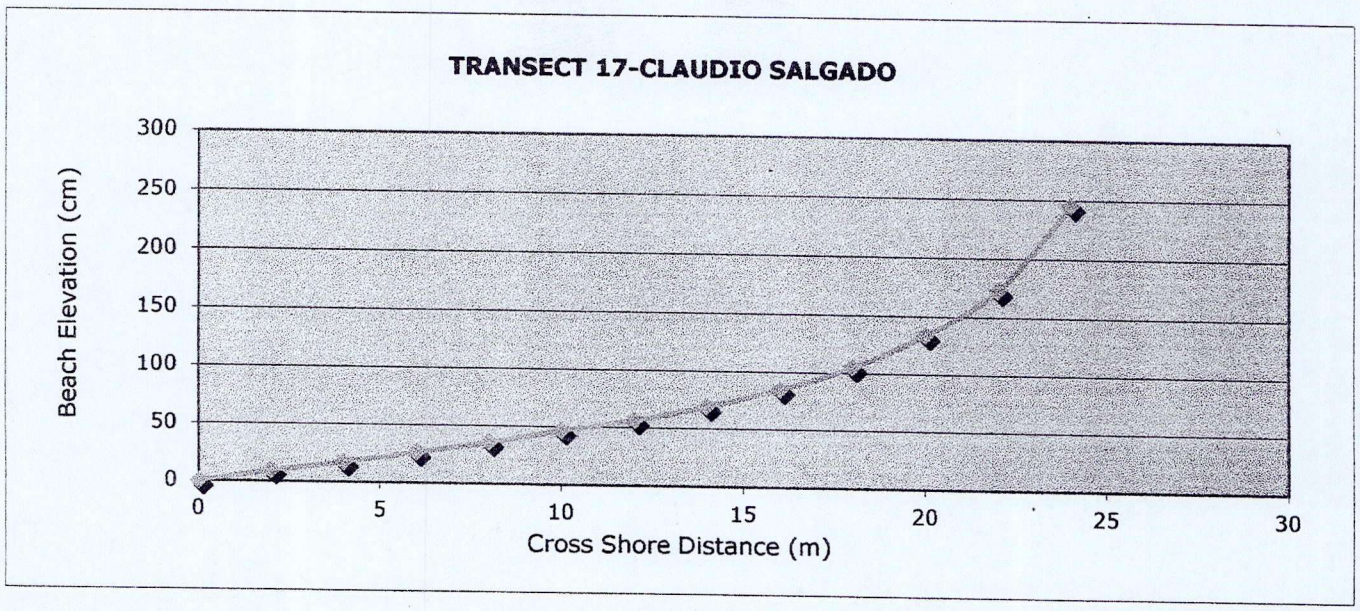

Beach Slope
Slope (unitless)
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
y = 0.0334x - 0.0297
0
5
10
15
20
25
30
35
40
45
50
Cross Shore Distance (m)

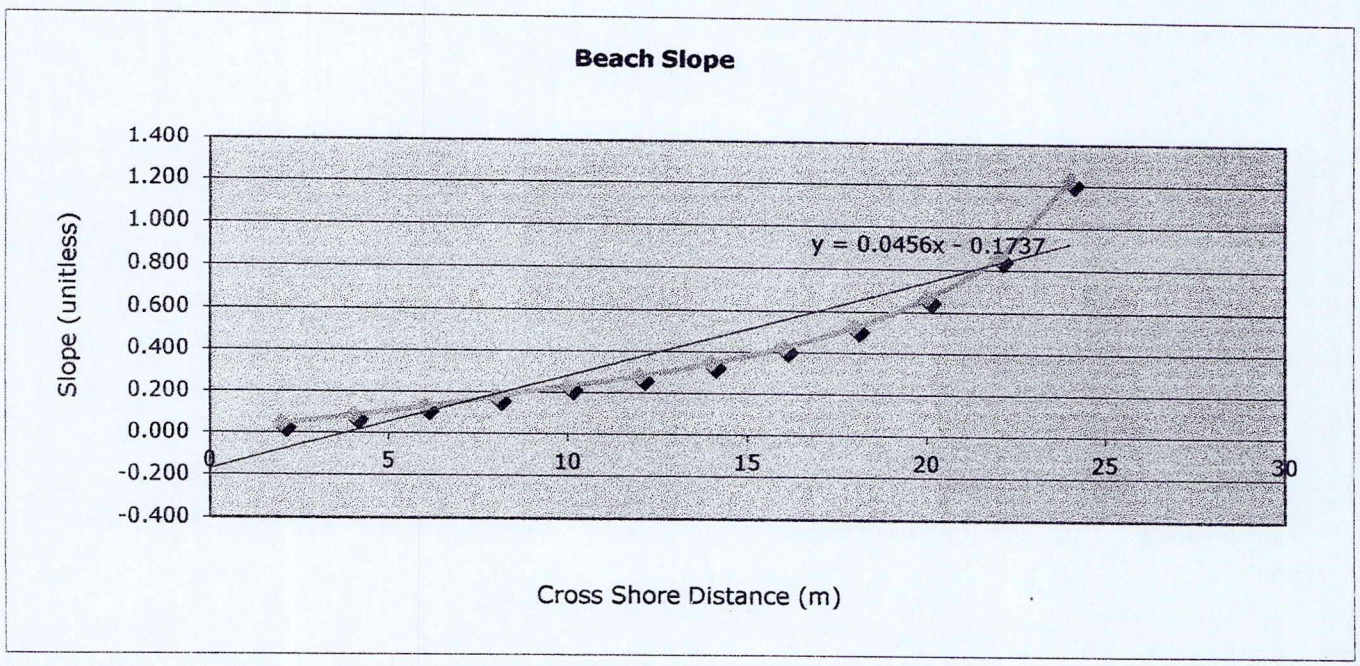
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 30, 2022
Coordinates	Transect 17	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	9.6	0.096	2	9.6	0.048
2	17.6	0.176	4	17.6	0.088
2	26.4	0.264	6	26.4	0.132
2	36.3	0.363	8	36.3	0.182
2	47.3	0.473	10	47.3	0.237
2	56.9	0.569	12	56.9	0.285
2	69.4	0.694	14	69.4	0.347
2	85.1	0.851	16	85.1	0.426
2	105.4	1.054	18	105.4	0.527
2	133.9	1.339	20	133.9	0.670
2	172.9	1.729	22	172.9	0.865
2	245.7	2.457	24	245.7	1.229

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 17-CLAUDIO SALGADO
Beach Elevation (cm)
300
250
200
150
100
50
0
0
5
10
15
20
25
30
Cross Shore Distance (m)

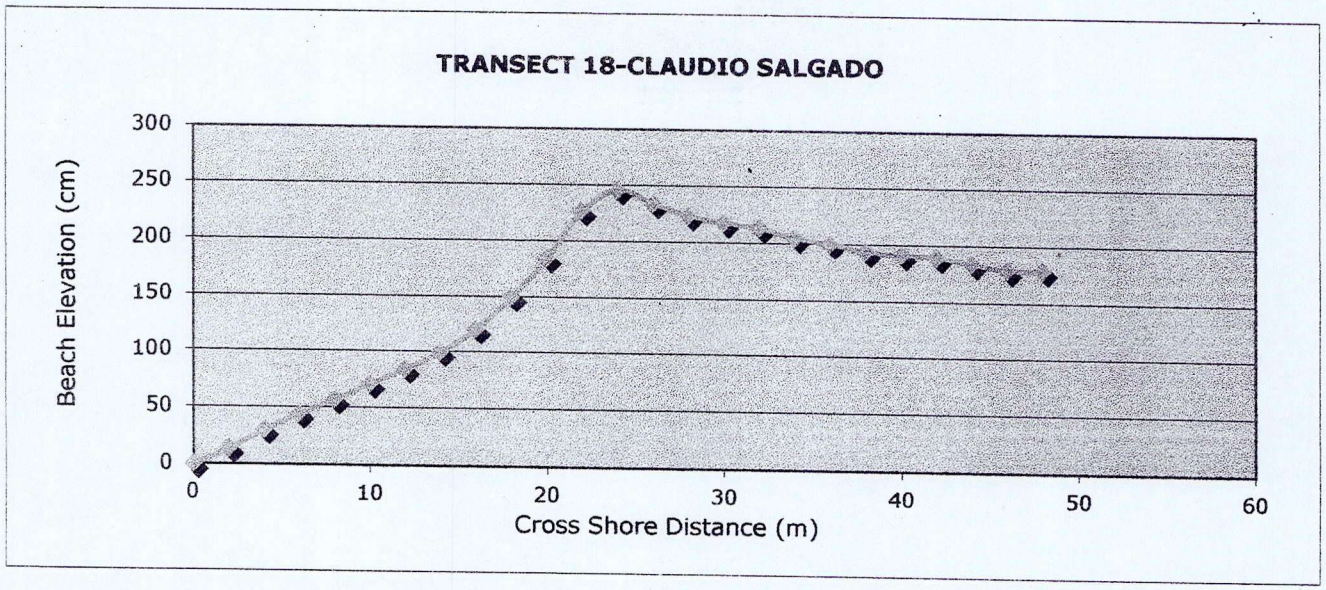

Beach Slope
Slope (unitless)
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
y = 0.0456x - 0.1737
0
5
10
15
20
25
30
Cross Shore Distance (m)

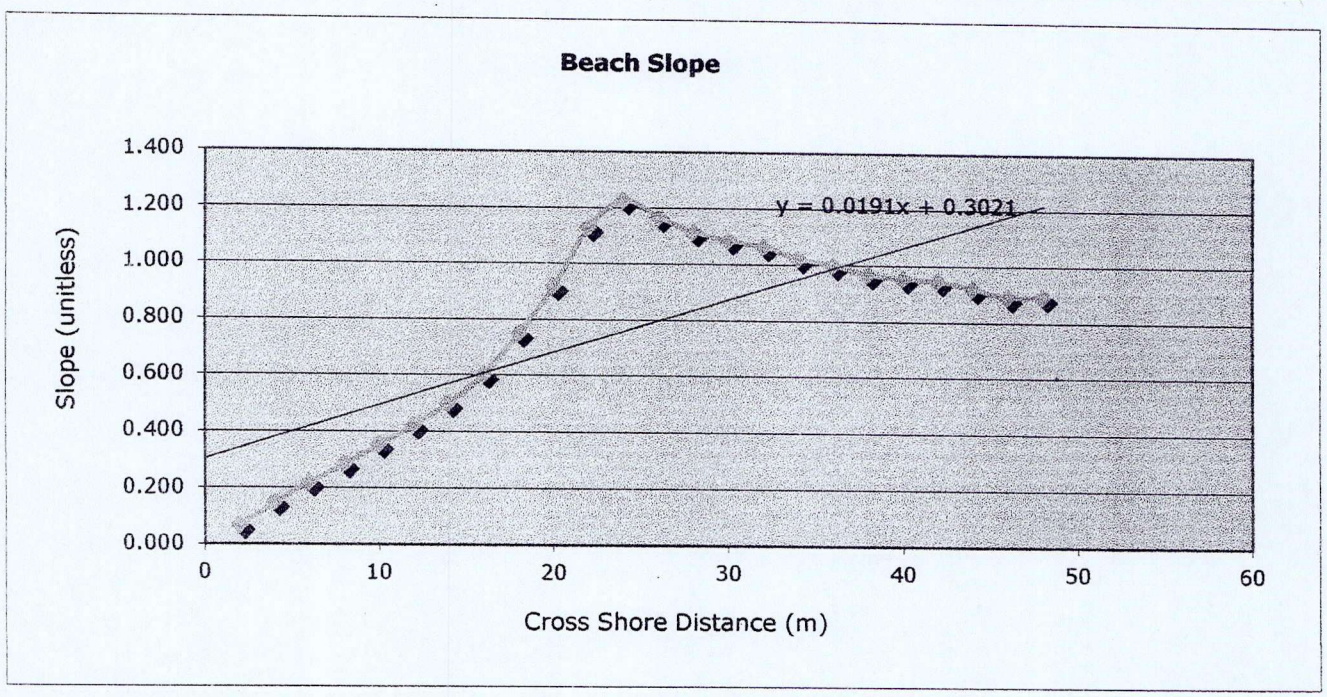
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 30, 2022
Coordinates	Transect 18	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	13.5	0.135	2	13.5	0.068
2	30.1	0.301	4	30.1	0.151
2	44	0.44	6	44	0.220
2	57	0.57	8	57	0.285
2	71	0.71	10	71	0.355
2	84.5	0.845	12	84.5	0.423
2	100.1	1.001	14	100.1	0.501
2	120.7	1.207	16	120.7	0.604
2	150.4	1.504	18	150.4	0.752
2	184.3	1.843	20	184.3	0.922
2	226.4	2.264	22	226.4	1.132
2	245.6	2.456	24	245.6	1.228
2	233.6	2.336	26	233.6	1.168
2	223.2	2.232	28	223.2	1.116
2	217.8	2.178	30	217.8	1.089
2	213.3	2.133	32	213.3	1.067
2	205	2.05	34	205	1.025
2	200.3	2.003	36	200.3	1.002
2	194	1.94	38	194	0.970
2	191.4	1.914	40	191.4	0.957
2	189.8	1.898	42	189.8	0.949
2	184.5	1.845	44	184.5	0.923
2	179	1.79	46	179	0.895
2	179.4	1.794	48	179.4	0.897

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 18-CLAUDIO SALGADO
Beach Elevation (cm)
300
250
200
150
100
50
0
0
10
20
30
40
50
60
Cross Shore Distance (m)

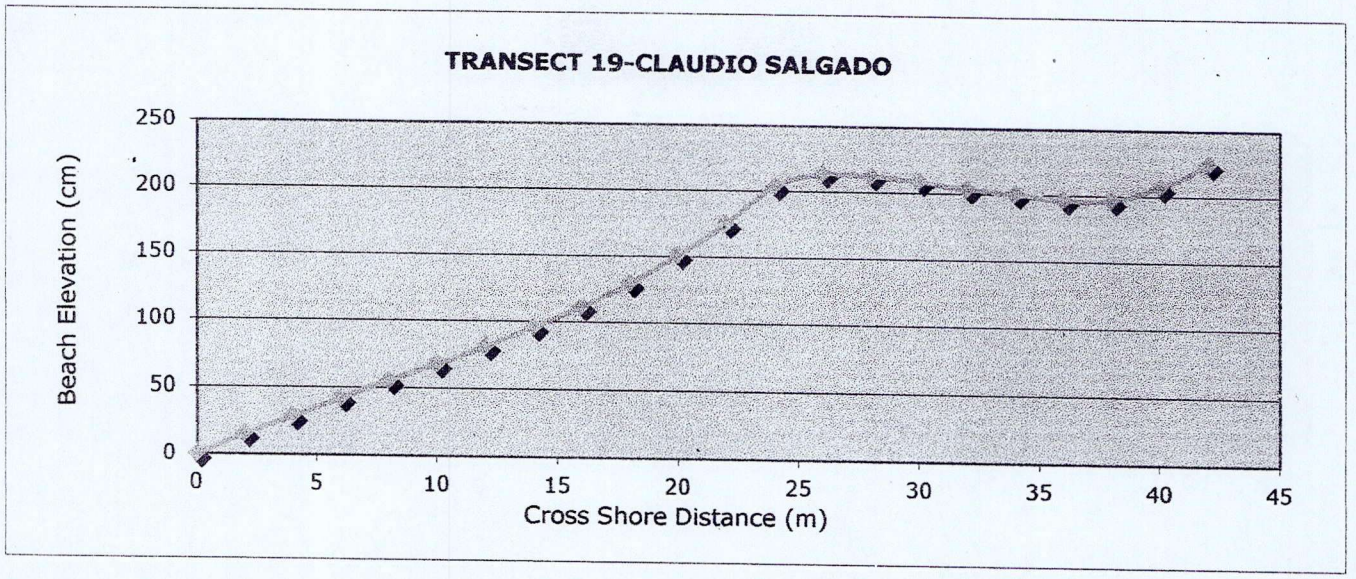

Beach Slope
Slope (unitless)
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.0191x + 0.3021
0
10
20
30
40
50
60
Cross Shore Distance (m)

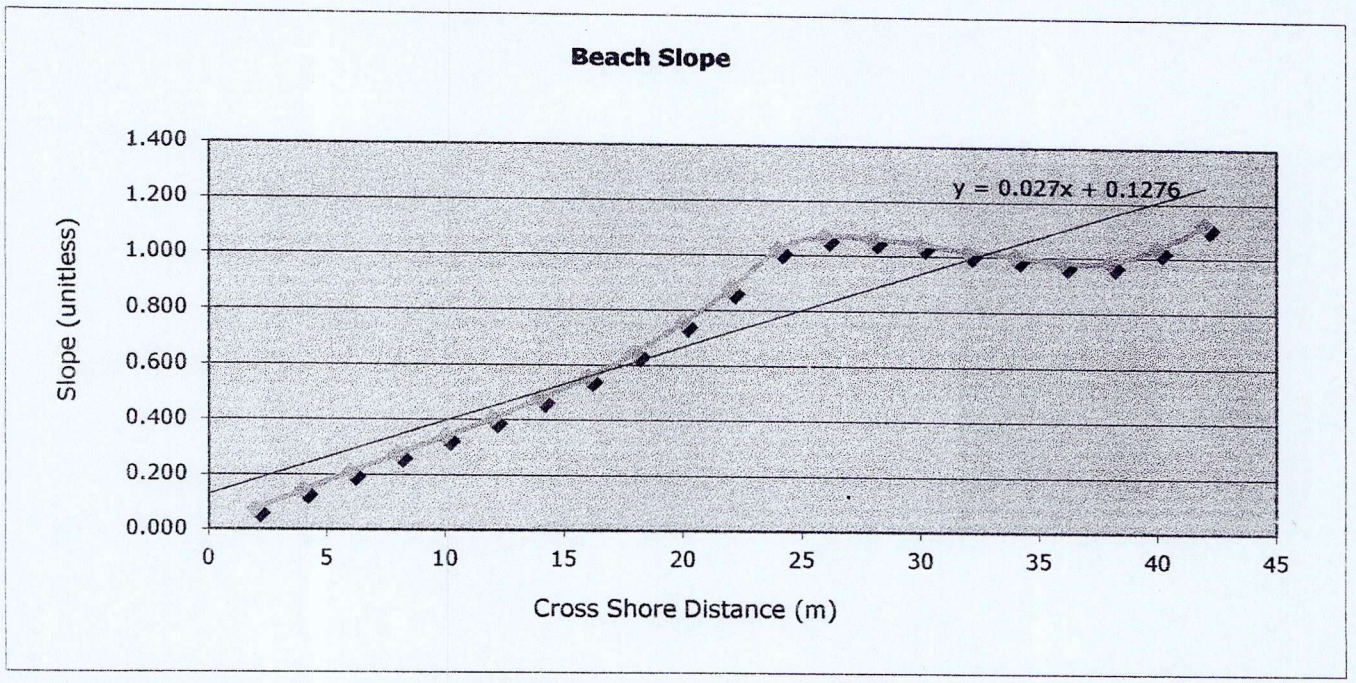
BEACH PROFILE

Location	Brgy. Claudio Salgado	Date	June 30, 2022
Coordinates	Transect 19	Time	
Surveyor			

x (m)	a (cm)	a (m)	total dist.	total elev.	Slope
			0	0	
2	15.5	0.155	2	15.5	0.078
2	29	0.29	4	29	0.145
2	42.5	0.425	6	42.5	0.213
2	55.8	0.558	8	55.8	0.279
2	68	0.68	10	68	0.340
2	81.3	0.813	12	81.3	0.407
2	96.3	0.963	14	96.3	0.482
2	111.8	1.118	16	111.8	0.559
2	129.7	1.297	18	129.7	0.649
2	151.6	1.516	20	151.6	0.758
2	175.7	1.757	22	175.7	0.879
2	204.6	2.046	24	204.6	1.023
2	214.3	2.143	26	214.3	1.072
2	212.7	2.127	28	212.7	1.064
2	209.2	2.092	30	209.2	1.046
2	204.1	2.041	32	204.1	1.021
2	200.8	2.008	34	200.8	1.004
2	196.8	1.968	36	196.8	0.984
2	196.8	1.968	38	196.8	0.984
2	207.4	2.074	40	207.4	1.037
2	225	2.25	42	225	1.125

	- Shaded columns represent calculations made after field data collection
	- White columns represent measurements made in the field


TRANSECT 19-CLAUDIO SALGADO
Beach Elevation (cm)
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
Cross Shore Distance (m)


Beach Slope
Slope (unitless)
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
y = 0.027x + 0.1276
0
5
10
15
20
25
30
35
40
45
Cross Shore Distance (m)